TXSHARE WATER AMI SYSTEM REQUEST FOR PROPOSAL





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HydroPro Solutions is pleased to propose the following AMI System to TXShare. HydroPro Solutions (HPS) is in Georgetown Texas and is the exclusive Premier Partner for Master Meter Meters and Meter reading systems. HPS has been the exclusive Premier Partner for Master Meter since July of 2012. Over the past 12 years, HPS has sold and supported the Master Meter product in Texas, Oklahoma, and Kansas. These markets are continuing to grow with both AMI as well as AMR systems. HPS is the industry leader in supporting these markets and its customers. HPS looks forward to working with TXShare and its staff on the Master Meter Allegro system. With the support of Master Meter, HydroPro Solutions will work diligently to provide the best possible solution for TXShare today and well into the future.

HydroPro Solutions is a full-service, turnkey provider of advanced water meter systems. Our in-house team includes experienced infrastructure and tower climbers, along with a dedicated service technician available on demand. To support our utility partners, we offer expert guidance at every stage of the process, ensuring the development and implementation of the ideal water meter system.

The proposed AMI system from Master Meter is their state-of-the-art Harmony/Allegro AMI system. The Harmony/Allegro System is a true two-way system that provides both the utility but also the end customer ability to see daily reads and drill down to hourly reads as well. The Harmony Meter Data Management software is cloud based and can be accessed from any lap-top, PC or tablet that has a webbased interface. TXShare will be able to access customer accounts and quickly answer questions on usage, tamper or even counterclockwise. This will allow TXShare billing and customer service agents time to continue to perform their daily functions. TXShare customers will also be able to download an app from either the Google play store or by using iTunes to see their specific meter data and usage.

If at any time, there are any questions or the need for follow up information, TXShare or its staff members can call Greg Broyles with HydroPro Solutions. Greg can be reached on his cell phone at (512) 994-6198 or by e-mail at greg@hydroprosolutions.com.

Thank you,

HydroPro Solutions 907 Rockmoor Dr. Georgetown, TX. 78628 (512) 996-8944

Organization Chart

HydroPro Solutions is made up of industry leaders in the AMR/AMI market. The management team of HPS brings almost 60 years of experience to each and every customer. Working in different markets and supporting different technologies over the years make them the best group of gentlemen to work with on a project of this size. The management team are also the principal owners of HydroPro Solutions so their efforts for supporting a project goes beyond that of a typical manager of a company.



Chris Phillips

CEO of HydroPro Solutions

Chris holds a BGS & MS in Natural Resources from Texas Tech University. He brings over 25 years' experience and has worked in sales and management in the AMR/AMI Metering industry while working in wholesale distribution as well as energy efficiency engineering services.

Maurice de Vries

CFO of HydroPro Solutions

Maurice holds a BS in Business from Louisiana State University. Maurice brings over 23 years' experience directly in the meter/AMR/AMI manufacturing and distribution industries. Maurice has worked as both a Factory Representative in the Metering industry, as well as Product Specialist in the Distribution Industry.

Greg Broyles

President of HydroPro Solutions

Greg brings over 27 years of direct Waterworks distribution experience to the HydroPro Solutions team. Greg has worked in sales, management, and operations within Waterworks distribution. Greg has worked with his sales team to continue to provide the best support for HydroPro Solutions customers.

James Obermeyer

Sr. Project Manager

James started with HydroPro Solutions as an Account Manager on the sales team and quickly moved into his Project Manager role. James has worked with both AMR and AMI utilities making sure each utility staff member's needs are met. James coordinates between the utility and our subcontractors to maintain project efficacy. James is OSHA 30, CPR, and Confined Spaces certified.

Raymond Calfy

Project Manager

Raymond started with HydroPro Solutions in 2024 and brings a breadth of knowledge from his experience working within a Texas utility. Raymond has direct firsthand knowledge of the needs of a utility transitioning into a new metering system. He is poised to handle anything that a utility may need and as Project Manager will coordinate between our utility partners and the subcontractors HydroPro employs. Raymond is OSHA 30 certified.

HydroPro Solutions/Master Meter Allegro References

The following references are customers of HydroPro Solutions and currently using the Harmony/Allegro meter reading system. These references welcome any kind of communication from TXShare inquiring about their system. If a site visit is requested, these utilities are more than willing to accommodate that as well.



City of Lewisville Texas Timothy Holt Supervisor Utility Billing Manager (972) 219-3768 tholt@cityoflewisville.com



City of McKinney Texas Patrick Hackler Revenue Manager (972) 547-7543 <u>phackler@mckinneytexas.org</u>



City of Grapevine Texas William Miller Utility Field Operations Foreman 817-410-3344 wmiller@grapevinetexas.gov



City of Schertz Texas Dawniecia Hardin Trussell Utility Billing Manager (210)619-1111 dhardintrussell@chertz.com



City of Live Oak Texas Mark Wagster Director of Public Works (210)528-0275 <u>mwagster@liveoaktx.net</u>



City of Cibolo Texas Maggie Patterson Utility Billing Manager (210)658-9900 <u>mpatterson@cibolotx.gov</u>



City of Pleasanton Texas Johnny Huizar City Manager (830)569-3155 jhuizar@pleasantontx.gov



City of Round Rock Texas Michael Thane Director of Utilities (512)218-3236 mthane@round-rock.tx.us

Technical Proposal

Harmony MDM Software

Master Meter Harmony Mobile Network Host Software Overview for the Allegro AMI Network Harmony Software will provide the following features: • Employ thin-client (browser-based) architecture wherein the database is centralized, and the host application requires no local install, but is accessed through an Internet browser. • Utilize a standard file layout format to interface with the utility's CIS for both on-cycle and off-cycle meter reading. • Customizable reporting engine which provides key reports on advanced usage analysis included within the application: district metering, consumption reporting, troubleshooting, leak report, tamper report, reverse flow report, and non-billable report. A list of all reports and a brief description of each report included within the application are provided in the Reporting Section. • Customizable dashboard that provides key performance indicators (KPIs) to allow for proactive monitoring of system health and performance. Provides a wizard-driven priority alarm configuration capable of sending information directly to key utility personnel (via email or SMS) based on predefined triggers and thresholds. • Able to export data to Microsoft Excel and Word applications. • Designed to hold two (2) years of history for direct access, with an option for



secondary direct access storage and reporting of older usage history. • Provide an export of key data for third-party meter data management or customer web presentment. • Provide an embedded mapping tool that enables visual interpretation and analysis of data within the fixed network system to reveal relationship patterns and usage trends. The map-based interface component provides viewing, selecting, managing, and reporting options on all assets that are managed by the system. The system allows the utility personnel to configure key system critical alarms such as reverse flow, 24-

hour continuous leak, and distribution main leak. The software is able to forward these alarms via email or text message to maintenance personnel assigned by the utility. Harmony includes a designated monitoring and maintenance system, which provides dashboards and detailed report about system performance. The system also provides alerts on malfunctioning communication device and decrease in system performance.

End Points

The proposed system by HydroPro Solutions is manufactured by Master

Meter and a true Two-Way AMI system. This system uses dedicated FCC licenses for accuracy of reads and reliability of the system from the meter back into the cloud-based MDM Software. The system proposed is the newest of the Master Meter family of products and is called their Allegro System. The Allegro system will work with TXShare current billing software.





All meters provided for this project will be Master Meter Multi-Jet meters or Sonata Ultrasonic meters. The Multi-Jet meter is a proven meter to provide the best possible reading advantage for both low and high flow situations. The flow range on this meter exceeds all AWWA standards for Multi-Jet meters as well as meets all requirements in TXShare Specifications.



The Register for this product is considered Under The Glass (UTG) this technology gives TXShare the peace of mind that there are no wires or external radio units being used in their system. For the best possible solutions, composite meter box lids are needed for this product. With no wires or external radios, TXShare customers will not have the ability to cut the wires or damage an antenna or radio.

Using the UTG the warranty for both the batter as well as the radio, is the same 20-year warranty. This warranty is pro-rated 10/10 period and the entire warranty document is provided at the end of this proposal.

Flow rate is shown on the face of the meter, this is for TXShare customer to see if they have leak in their residence and used for testing purposes of TXShare. This can be read down to 1/10 of a gallon of water. The UTG also has the ability to send alarm back through the system to the cloud-based software.

These alarms are for the following:

- **Leak**—if a meter shows flow for a consecutive 24 hours and never stops, a leak alarm will be triggered. This alarm will show up on the MDM Dashboard.
- **Reverse Flow**—if a meter shows "counter clockwise" flow, this will trigger the alarm for reverse flow. This will also show on the MDM Dashboard.
- **Tamper**—if the register is removed from the meter body or is there is some kind of anomaly felt by the meter, it will trigger the tamper alarm. Again, this will alert on the MDM Dashboard.

The Master Meter meters have been in production for over 25 years. The Allegro Register has been in production since June of 2013. There have been some small enhancements made to the register for communication purposes.

The Octave presents comprehensive flow management accountability based on a greatly improved version of the ANSI/AWWA C750 standard and is compliant with the future release of the ANSI/AWWA C715 standard. This highly advanced, all-digital technology achieves precise

measurement without any moving parts to ensure optimum revenue without waning performance over time. Performing brilliantly at low flows, this unique meter solution is capable of recording even the smallest of leaks and is an ideal replacement for any mechanical compound or turbine meter.

The 80/20 rule applies to large commercial and industrial (C&I) metering: commonly 20% of the utility installed meter base generates 80% of the utility's revenue. The Octave focuses advanced metering science where the real revenue exists within the C&I meter assets.



There are no moving parts, no wear and therefore no maintenance. The display unit is multi line 12 digits with robust information including consumption, alerts, battery status, and instantaneous flow rate indication.

The Octave does not require a strainer and has received Factory Mutual (FM) Approval without the use of a strainer. Strainers provide protection for mechanical components and condition the flow prior to entry into the measurement section. The Octave is solid-state and therefore does not require protection from damage by debris and other objects that may be in the distribution system. And the concentric design of the Octave flow tube conditions the water prior to entry.

The Octave register registers has a designated segment that lists the programmed measurement unit. There is also a designated section on the LCD that provides real time rate of flow.

Octave bodies are made of one of the following materials:

• 2" – 8": Stainless Steel SAE Grade 316 equaling or exceeding AWWA Standards such as those listed in ASTM A269.

• 8" – 12": Cast Ductile Iron alloy equaling or exceeding AWWA Standards such as those listed in ASTM A536 or ASTM A126. The main case shall be protected by a complete fusion-bonded coating conforming to AWWA C-550.

Flanges for the 2" meters shall be of oval type and the bolt holes will be double drilled in order to fit 1-1/2" or 2" oval flanges. Flanges for 3" meters and larger shall be of round type.

Octave meters are NSF 61 compliant. NSF 61 certification for Master Meter products can be confirmed by checking the NSF website which updates on a daily basis.

https://portal.mastermeter.com/fag/meters/#Octave-

<u>Ultrasonic:~:text=http%3A//info.nsf.org/Certified/PwsComponents/Listings.asp%3FCompany%3</u> <u>D70130%26Standard%3D061</u>

The Octave has a "Low Battery" icon that is activated when approximately 6-8 months of battery life are remaining, this LCD icon is illuminated. Additionally, the Octave internal data log begins recording the low battery event. Low battery alarms are not transmitted via the encoder output. All alarms are internal to the Octave.

Octave meters are provided with size, model, and flow direction permanently imprinted on the outer case of the body. The serial number printed on a water proof sticker on the base of the register lid.

The Master Meter Octave main case will retain dimensional stability in working pressures of up to 175 psi and operating temperature up to 105° F. The body will not warp or deform when exposed to temperatures as high as 150° F for up to 1 hour. The Octave's environmental protection allows for an ambient temperature range of -13°F to 131°F.

The meters shall meet the following requirements for accuracy when tested with potable water at a maximum temperature of 80 degrees F: At the normal test flow limits the meter shall register not less than 98.5% and not more than 101.5% of the water passed through the meter. From the minimal flow rate up to the lowest normal flow rate, the meter shall not register less than 95% and not more than 105%. The Octave maintains the operating ranges and published flow patterns in water temperature of 32.1°F to 122°F.

The Octave uses 2-D Cell Lithium Thionyl Chloride batteries. The batteries come with a full 10year warranty. Batteries are non-removable and non-replaceable.



Allegro Base Station Infrastructure

The Allegro Advanced Metering Infrastructure (AMI) Network is comprised of a long range radio base station, peripheral repeaters to extend range into low population geographies, and individual meter endpoint transceivers. Master Meter's Allegro AMI system is a robust RF communication network that interfaces between a water utility and their residential and business customers. The tower based system operates in the licensed 450MHz – 470MHz frequency spectrum offering superior reliability and extensive geographic reach. The plug-and-play nature of the system means that installation is easy and intuitive as the Endpoints and repeaters will automatically match the base station's pre-programmed frequency pairs and with the backhaul connected via cellular network, interval data will be transmitted along a reliable and stable path.

Allegro Mobile Reading Device

Allegro Mobile uses the same Allegro UTG endpoint as Allegro AMI – which means that when you're ready to scale up and fully automate hourly meter reading and alerts – all of your initial investment is fully utilized.



Allegro Mobile is a full-featured hybrid meter reading platform that simplifies AMI technology migration without any wires or connections. If AMI (fixed network) is a potential next step in the future, this is the solution to consider. Allegro Mobile Drive-By remains today's most advanced drive-by AMI system on the market. Integral data logging resolves billing disputes and our exclusive Revenue Impact Alerts[™] notify utility personnel of leak, theft, tamper and zero consumption scenarios. These powerful interactive tools are available in real time while in the fi eld to help reduce the utility's carbon footprint caused by unnecessary trips, between the utility and the customer.

Our unique technology platform essentially mimics many of the benefits inherent with fixed network systems such as synchronized meter reads, District Metered Areas and Zones (DMA/DMZ), and leak, theft and tamper alarms.

Project Timeline

HydroPro Solutions proposes the following timeline for TXShare AMI Project. This timeline is only a starting point and will be modified to work around TXShare's other projects and or billing cycles.

- Utility awards project and contract negotiations begin.
- Meters will be ordered once negotiations are completed.
- HPS will apply of the FCC License on behalf of utility (4-6 weeks ARO)
- HPS will begin working with utility staff to understand the installation process.
- HPS will work with billing company to set up test files for transfer of data both uploads and downloads.
- HPS will work with utility staff on notifying customers of upcoming meter change out program.
- Project kick off meeting will be scheduled for utility staff and HPS Subcontractor
- Meters to be delivered (6-8 weeks ARO)
- During meter installation by utility, training on system will be performed online or in person by Master Meter
- Sign off on system by utility staff



The infrastructure installation start date will be decided upon by utility

depending on time frame of reading schedule. HydroPro Solutions will work with utility staff to pinpoint this date that works with everyone's schedule.

Project Design and Methodology

For the change out of meters and the installation of software a joint technical approach will be proposed by HydroPro Solutions and TXShare. This is the start of the partnership between HPS and TXShare. During this time period, HPS will work to understand the layout of the City as well as what type of installation plan will need to be developed. Working with City Staff to understand the different routes and where they are in the utility is crucial to understand what approach is needed.

Once a plan of action is laid out, HPS will begin working on where to start and what tools are needed for a final and successful change out. This will be worked on with HPS Project Management as well as TXShare staff. HPS understands that TXShare staff is extremely busy and will work around its time frame.

When meters arrive in TXShare, HPS Project Management will be onsite for an inventory of meters and other products needed. This will be on with TXShare Staff present and signed off. A digital copy of serial numbers and test results will be provided to TXShare for their records. This copy of information will also be provided to the install contractor for their records as well if requested. Meters will be categorized by size and then installs can begin.

Duties requested by TXShare are the following:

Provide and safe and secure area for meters to be stored on delivery. This area needs to be accessible by HPS and its installation contractor.

Safe and secure area for old meters to be stored. These meters are the property of TXShare and will not be trashed or recycled by HPS or its installation contractor.

Billing staff to work with HPS for the test files from its current billing software company. HPS Project Management will contact the billing office of the city and request this information before any meters are installed. All the data provided by the city will be kept confidential and not shared with any outside source.

A dedicated TXShare employee is requested to be a "Point of Contact". This employee should be able to make decisions on behalf of TXShare during the installation of the meters. HPS would also like for this employee to be available in the case that a meter cannot be located.

If a meter is out of the scope of the project, HPS request that a change order or additional work be done and billed to TXShare. This additional work will be negotiated during the final contact negotiations.

Appendix for Product Literature

BOTTOM LOAD MULTI-JET METERS 5/8", 3/4", 1"



Tough, Dependable and Extremely Capable

Master Meter Bottom Load Multi-Jets get the job done. Featuring the latest in measurement technology they bring sustained accuracy with tough performance that stands up to particulates that would choke other meters. These bold meters have sensitive measurement capabilities that account for every drop of potential revenue — reading flow as 1/8 gallon per minute. Nothing sneaks by our meters. If you demand tough-as-nails performance, with a keen eye on your bottom line, you can count on Master Meter Bottom Load Multi-Jets.

LIVE LONG WITH A BRIGHT FUTURE

The Bottom Load Multi-Jet is an updated smart design to the classic "top load" multi-jet meter. These meters are designed with the future in mind for use in mobile and fixed network AMR/ AMI data management systems. Choose an optional DIALOG 3G^o Integrated AMR Register and put our ConnectionFree" AMR Technology to work for you. 3G delivers powerful results with 4,000 read data logging and vigilant Revenue Impact Alerts" monitoring for leaks, tamper, theft (*backflow*), and zero consumption. Our award-winning register design houses all vital components — encoder, RF transmitter, battery and antenna safely within the register's sealed stainless steel and tempered glass enclosure. We eliminated external wires, components and connections—the #1 cause of field related issues on competitive designs.

FEATURES:

- Rugged Basket Strainer Built From Advanced Polymer Materials for Superior Wear Mitigation.
- Proprietary Design Produces Smooth, Laminar Flow Profile for Improved Accuracy.
- Accuracy Meets or exceeds the AWWA C-708 Standard. Optional NSF Certification Available.
- Optional 3G Integrated Register Delivers:
 Revenue Impact Alerts Leak, Tamper, Theft (backflow), and Zero Consumption
 - Rich 4,000 Read Data Logging Capabilities
 - Deploy District Management Areas/Zones (DMA/DMZ) Advanced Infrastructure Leak Management Programs

SIZES AVAILABLE: 5/8", 3/4", 1"

REGISTER OPTIONS:

- 🗴 DIALOG 3G Integrated AMR Register
- ✿ DIALOG 3G LCD Interpreter™ ✿ DIALOG 2G^o Pit
- ✿ DIALOG 2G^e Pr
- * DIALOG 2G Indoor

READ:

- * Direct Read/Manual
- * Proximity/Touch 2G
- * Mobile Drive-By AMR 3G
- Fixed Network AMI Solution 3G (FN migratable using existing Mobile AMR infrastructure)

Tough | Sustained Accuracy | Dependable | AMR/AMI Migratable with 3G



BLMJ

TECHNICAL SPECIFICATIONS:

AWWA Standard - Meets or exceeds all sections of AWWA Standard C-708, most recent revision;

NSF/ANSI Standard 61 - Optional Standard 61 certified no -lead main case available.

Register Sealing. Direct read and DIALOG® registers are permanently sealed with a scratch resistant glass lens, stainless steel base and wrap-around gasket to prevent intrusion of dirt or moisture.

Design/Operation - Velocity-type flow measurement. Water that is evenly distributed by multiple converging inlet ports flows past an impeller in the measuring chamber, creating an impeller velocity directly proportional to water flow rate. The meter's register integrates that velocity into totalized flow. An interent advantage for this design is unparalleled wear mitigation leading to sustained revenues. The register assembly is removable under line pressure permitting seamless, simplified upgrades in reading technology.

Register Unit - Registration available in U.S. gallons, cubic feet or cubic meters.

Test Circle - Large center sweep hand with one hundred (100) clearly marked gradations on the periphery of the dial face. Low Flow/Leak Indicator - Center mounted indicator with high sensitivity resulting from direct one to one linkage to measuring element.

Main Case - Choice of waterworks bronze case of 81 % copper composition, or, 85% copper, no lead bronze. All main cases incorporate externally threaded ends to aid installation.

Measuring Chamber - The measuring chamber housing and measurement element are built with an advanced synthetic boymer. This tough, non-tydrolyzing material ensures durable wear. The chamber design optimizes water flow, eliminating harsh turbulence for smooth, easy, operation that minimizes bearing wear.

Measurement surfaces are not wear surfaces, providing sustained accuracy despite the presence of entrained solids in the water. A longifie, synthetic sapphire bearing serves as a wear surface with radially balanced water flows. The chamber housing is constructed in two parts to allow access to the impeller.

Strainer - A rugged, 360-degree advance polymer basket strainer protects the critical measuring element from damage. The unique strainer design smoothes the flow of wafer entering into the meter creating a laminar flow that is gentle on the meter's internal components. Tough materials operating in a smooth, balanced environment enable the meters to perform more accurately over time. Utilities' investments last longer while capturing more revenue.

Optional Bottom Plates - Biorize, Cast Iron (CI), or Engineered Plastic.

Magnetic Drive - A reliable, direct magnetic drive provides linkage between measurement element and register. No intermediate gearing is required; no gearing is exposed to water.

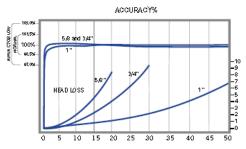
Adjusting Port - Sealed after factory calibration. Port is accessible for utility recalibration to compensate for inaccuracy in older meters without parts replacement.

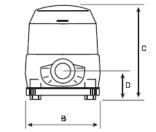
Register - Standard Direct Read, DIALOG 23 and DIALOG 3G AMR System registers are available. Six wheel odometers are standard. Together, an integrated and migratable technology environment is attained, direct, proximity (touch), mobile AMR, and Fixed Network AMI.

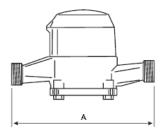
Tam per Detection - The Master Meter Multijet adjusting port and register are concealed to prevent tampering and removal of the register. This design also provides a visual indication of tampering attempts.

METER OPERATING CHARACTERISTIC/DIMENSION	5/8"	3/4" x 7-1/2"	3/4" x 9"	3/4" x 9" x 1"	1"
Flow Rating (gpm)	20	30	30	30	50
Continuous Flow (gpm)	15	20	20	20	30
Normal Flow Range (gpm)	1-20	2-30	2-30	2-30	3-50
Extended Low Flow (gpm)	1/8	1/4	1/4	1/4	3/8
Maximum Working Pressure (ps)	150	150	150	1 50	150
Maximum Working Temperature (F)	120	120	120	1 20	1 20
Longth (A below)	7-1/2"	7-1/2"	9"	9"	10-3/4"
Width (B below)	3-5/8"	3-5/8"	3-5/8"	3-5/8"	4 "
Height, standard register with lid (C below)	5"	5"	5"	5"	5-1/4"
Height, bottom to center line (D below)	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-3/4"
Weight (lbs)	3.95	4.0	4.1	4.6	5.25
Packed To Carton	6	6	6	4	4
Carton Weight (lbs)	25.1	25.4	26	19.8	22.4

ACCURACY AND HEAD LOSS CHART







Master Meter, Inc.

101 Regency Parkway, Mansfield, TX 76063 Toll Free: 800-765-6518 • Main Line: 817-842-8000 • FAX: 817-842-8100 MasterMeter.com

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BLMU0908



Proprietary and Confidental



allegrgy^{*} UNIVERSAL RF ENDPOINT



Industry-Leading Innovation

The Allegro Under-the-Glass (UTG) Universal Endpoint is an industry-leading innovation in durable endpoint design technology featuring no external connecting wires or antennas. The Allegro UTG Endpoints are flexible and migratable, able to operate in both fixed network and drive-by environments.

The Allegro UTG Universal Endpoint is built on the same trusted and proven encapsulation technology incorporated into the previous generations of Master Meter Universal Interpreter Registers. Leveraging a proprietary design that fully encloses both the RF circuitry, antenna, power supply, and meter register into a single IP68 unit, the result is a highly durable and weather resistant product intended for submersible, pit-set environments.

Operating in the FCC licensed 450MHz frequency spectrum, the Allegro UTG Universal Endpoints communicate to the fixed network via a proprietary 2-way, time-synchronized RF protocol. The Allegro AMT Fixed Network offers better propagation, significantly reduces network RF collision, provides superior stability (agnostic of the number of endpoints), and is intrinsically secure.

The UTG Universal Endpoint can communicate with the Allegro Repeater and Base Station from up to 2 miles away. The same unit will automatically revert to drive-by mode in the event of a network outage.

UTG Encapsulation Technology

The UTG (Under-the-Glass) Encapsulation Technology is a proprietary manufacturing design which fully encloses both the RF circuitry and the meter register into a hermetically sealed, IP68-rated hardened glass and stainless steel enclosure. The dual-frequency antenna design enclosed within the UTG Device matches the RF shift as radio waves travel through water, providing consistent reliable performance irrespective to the level of humidity and water conditions within the harsh pit environment.



OVERVIEW



www.mastermeter.com

SONATA® ULTRASONIC METER







The Sonata Residential Ultrasonic water meter is Master Meter's next step in unifying our ultrasonic solid-state measurement profile. Utilizing advanced ultrasonic flow measurement, the Sonata greatly improves low flow measurement compared to residential mechanical meters, making it an ideal solution for addressing Non-Revenue Water (NRW). The Sonata is fully Internet of Things (IoT) ready and capable of meeting the challenges of tomorrow's smart water networks.

Technical Specifications:

AWWA Standard: Meets ANSI/AWWA Standard C715-18 and ISO 4064 rev. 2014

NSF / ANSI Standard: Compliant with NSF/ANSI 372, NSF/ ANSI 61, and SDWA.

Working Pressure: 175 PSI

Liquid Temperature: 33° F - 122° F

Ambient Temperature: -13° F - 131° F for the display

Power Source: Sonata with Integrated Allegro operates on one D Cell Lithium Thionyl Chloride battery. All other Sonata configurations operate with two C Cell Lithium Thionyl Chloride batteries.

Environmental Protection: Factory potted design provides NEMA 6P (IP68) for meter pit submersion.

Features & Benefits:

- · Low Flow accuracy starting as low as 0.03 GPM. Powerful solution to reduce non-revenue water.
- · Compliant with Safe Drinking Water Act (SDWA).
- · No moving parts for lifetime accuracy.
- 20 year warranty (10 years full / 10 years prorated).
- · Patented obstruction free flow tube minimizes head loss and risk of damage to sonic reflectors.
- · Detailed LCD features totalized flow, rate of flow, battery alarm, leak alarm, burst pipe alarm, and tamper alarm.
- Fully submersible; IP68 design.
- Optional Internal RF module for Master Meter Allegro AMI or Master Meter 3G AMR Systems.
- · Optional encoder output with a wired pigtail, Nicor compatible connector, Itron (ILC) compatible connector, or magnetic induction coil, allowing connectivity to thirdparty AMI or AMR systems
- · Install in a wide variety of positions; horizontal, vertical, or inclined.
- · IoT ready for connectivity to Smart City Networks.

Master Meter // 101 Regency Parkway // Mansfield, TX 76063 // www.mastermeter.com

Proprietary and Confidental

OCTAVE® ULTRASONIC METER





Octave brings the latest in ultrasonic metering technology to Commercial/Industrial (C&I) water meters and puts precise measurement where the real flows exist. An excellent alternative to mechanical compound, single-jet, floating ball, fire-service type and turbine meters, Octave excels at maintaining sustained accuracy for the life of the meter while providing smart AMR capabilities.

Technical Specifications:

Working Pressure - 175 PSI

Liquid Temperature - 33° - 122 °F

Metrological Characteristics - Meets ANSI/AWWA Standards C715-18, C750-19, ISO 4064 rev. 2014

Configuration - Compact-Display built into unit

Power Source - 2 x D Size Lithium Thionyl Chloride batteries -10 year warranted life time

Environmental Protection - NEMA 6P+ (IP68+), Ambient operation temp. -13 °F / +131 °F for the display

Display Units - Multi line 12 digit LCD (Programmable USG, Cubic Feet, Cubic Meters, Acre Feet for volume and GPM, Lt/s, or Milh for rate of flow)

Output - Programmable Encoder, Pulse, 4-20, or Modbus; Optional dual output available in encoder + pulse

Available in sizes 1.5", 2", 3", 4", 6", 8", 10", and 12"

UL Certification is available on 1.5" through 8" only. FM Approval is available on all sizes.

Features & Benefits:

- · Grade 316 Stainless Steel (2"-8") or Epoxy Coated Ductile Iron (10*-12") body design provides full compliance with ANSI/NSF 372 (AB1953 or NSF61G).
- · No moving parts. Minimal flow intrusion. Enduring accuracy.
- · Easy to install Floating Flanges on 2"-8" and Integrated Flanges on 10"-12".
- No required strainer.
- · Wide beam ultrasonic measurement sensors for high accuracy and reliable operation.
- · Industry standard communication protocol for integration with most third-party AMR/AMI systems.
- · Active leak, burst, reverse flow, empty pipe, measurement failure, and low battery. LCD also displays rate of flow and water temperature.
- Ruggedized NEMA 6P/IP-68+ construction; fully submersible design.
- · Designed to meet standards for both North American and International C&I water meters.
- · Optional flow measurements; Forward Only, Net Volume or Alternating Display (Forward and Reverse Consumption displayed separately).

Master Meter // 101 Regency Parkway // Mansfield, TX 76063 // www.mastermeter.com

OCTAVE® ULTRASONIC METER



Performance Data & Dimensions

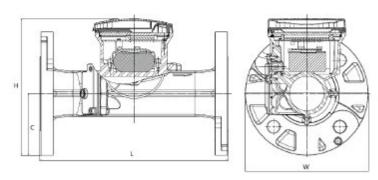
Octave Operating Characteristics and Dimensions	1.5"x13"	2*x10*	2"x15.25"	2"x17"
	(40 mm)	(50 mm)	(50 mm)	(50 mm)
Safe Maximum Operating Capacity	250 GPM	250 GPM	250 GPM	250 GPM
	(57 m ³ /h)	(57 m ³ /h)	(57 m ^b /h)	(57 m ³ /h)
Normal Operating Range (98.5% - 101.5% Accurscy)*	0.50 - 250 GPM	0.50-250 GPM	0.50-250 GPM	0.50-250 GPM
	{0.11 - 57 = ¹ /h}	(0.11-57 m ³ /h)	(0.11-57 m ³ /h)	(0.11-57 m ³ /h)
Extended Low Flow (95% - 105% Accurscy)	0.25 GPM	0.25 GPM	0.25 GPM	0.25 GPM
	(0.06 m ³ /h)	(0.06 m ³ /h)	(0.06 m ³ /h)	(0.06 m ³ /h)
Length	13"	10"	15.25"	17*
	(330 mm)	(250 mm)	(390 mm)	(432 mm)
Width	5-3/4*	5-3/4"	5-3/4"	5-3/4"
	(146 mm)	(145 mm)	(145 mm)	(146 mm)
Height	6-3/4*	6-3/4"	6-3/4"	6-3/4"
	(172 mm)	(172 mm)	(172 mm)	(172 mm)
Height from Center Pipe	2-1/8*	2-1/8°	2-1/8"	2-1/8"
	(54 mm)	(54 mm)	(54 mm)	(54 mm)
Weight	20 lbs.	15 lbs	22 lbs	24 lbs
	(9 kg)	(7 kg)	(10 kg)	(11 kg)

* In the water temperature of 45" to 85" F (7" to 30" C), meter consumption is accurately measured at:

+/- 1.5% in the Normal Operating Range
 +/- 5% in the Extended Low Flow

Octave Operating Characteristics and Dimensions		47	67		10"	125
	(80 mm)	(100 mm)	(150 mm)	(200 mm)	(250 mm)	(300 mm)
Safe Maximum Operating Capacity	500 GPM	1,000 GPM	1,600 GPM	2,800 GPM	5,500 GPM	5,500 GPM
Sale maximum operating capacity	(114 m ³ /h)	(227 m ³ /h)	(363 m ³ /h)	(636 m ³ /h)	(1,250 m ³ /h)	(1,250 m ³ /h)
Normal Operating Range (98.5% - 101.5% Accurscy)*	1-500 GPM	1.5-1,000 GPM	3-1,600 GPM	5-2,800 GPM	14-5,500 GPM	14-5,500 GPM
section operating wange (second retrained)	(0.23 - 114 m8/h)	(0.34-227 m ³ /h)	(0.68-365 m ³ /h)	(15-636 m ³ /h)	(3.2-1,250 m ³ /h)	(3.2-1,250 m ³ /h)
Extended Low Flow (95% - 105% Accuracy)	0.5 GPM	0.75 GPM	2 GPM	4 GPM	8 GPM	(300 mm) M 5,500 GPM h] (1,250 m ² /h) M 5,500 GPM h] (1,250 m ² /h) B GPM (3.2 - 3,250 m ² /h) 19-3/4" (5.62 mm) 19-3/4" (502 mm) 19-3/4" (502 mm) 19-3/4" (502 mm) 19-3/4" (251 mm)
Extended Low Plow (1976 - 103% Accuracy)	(0.11 m ³ /h)	(0.17 m ³ /h)	(0.45 m ³ /h)	(d\.Em E.O)	(1.8 m3/h)	(1.8 m3/h)
Length	12"	14*	18"	20*	17-3/4"	19-3/4"
Langun	(305 mm)	(356 mm)	(457 mm)	(508 mm)	(451 mm)	(502 mm)
width	7-1/2*	3.	11*	13-1/2"	16"	19-3/4*
	(190 mm)	(229 mm)	(280 mm)	(343 mm)	(406 mm)	(502 mm)
Height	8-1/2"	9-7/8*	10-7/6"	12-7/6*	16-1/2"	19-3/4*
	(216 mm)	(250 mm)	(276 mm)	(327 mm)	(419 mm)	(502 mm)
Height from Center Pipe	3-1/2*	4-1/2"	5-1/8"	6-3/8*	8*	9-7/8"
	(90 mm)	(115 mm)	(150 mm)	(162 mm)	(205 mm)	(251 mm)
Weight	23 lbs	35 lbs	51 lbs	78 lbs	150 bs	210 lbs
weight	(10.5 kg)	(16 kg)	(23 kg)	(35 kg)	(68 kg)	(96 kg)

In the water temperature of 45° to 85° F (7° to 30° C), meter consumption is accurately measured at:
 +/- 1.5% in the Normal Operating Range
 +/- 5% in the Extended Low Flow



NOTE - For Performance charts please see Engineering Document - Octave | Version 10.17.

v1202.20F

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allegrog)* BASE STATION AND REPEATER

AMI 2-Way Fixed Network

The Allegro Advanced Metering Infrastructure (AMI) Network is comprised of a long range radio base station, peripheral repeaters to extend range into low population geographies, and individual meter endpoint transceivers.

Master Meter's Allegro AMI system is a robust RF communication network that interfaces between a water utility and their residential and business customers. The tower based system operates in the licensed 450MHz – 470MHz frequency spectrum offering superior reliability and extensive geographic reach.

The plug-and-play nature of the system means that installation is easy and intuitive as the Endpoints and repeaters will automatically match the base station's pre-programmed frequency pairs and with the backhaul connected via cellular network, interval data will be transmitted along a reliable and stable path.

The 2-way system offers a rich set of security features and is end-to-end upgradable. Also, the proprietary RF protocol incorporates a time-synced system to alleviate network RF collision while providing time-stamped data. The result is the most effective and dependable AMI network available.

Intelligent Interface

The Allegro platform is an intelligent interface to the myriad of systems that utility managers operate today. A comprehensive set of data is collected from the endpoint and transmitted back to the backhaul destination for integration into Customer Information Systems (CIS), Supervisory Control and Data Acquisition Systems (SCADA), Geographic Information Systems (GIS), Enterprise Billing Systems, and various Customer Relationship Management (CRM) software suites. The result is an intelligent water system with actionable high-resolution data analytics capable of supporting any operational need.

OVERVIEW

www.mastermeter.com

allegro)



Features and Benefits

- Two-way communications
- · Time-Synchronized readings
- Multiple backhaul options
- · Over-the-air programming / remote firmware updates
- · Extensive geographic reach
- · End-to-End security
- · 15 minute usage / consumption data
- · Highest system reliability
- Low RF interference

IMPROVED CUSTOMER SERVICE

Customer perception is increasingly a topic of concern for water utilities. The combination of todays most advanced AMI system and a powerful MDM software suite results in:

- · On demand reads
- Improve billing accuracy
- · Interactive customer budgeting
- · The ability to forecast consumption
- · Immediate tamper and theft detection
- · Leak Alerts
- · Informed rate-based programs
- · Customer incentive programs

- Data and events are time stamped
- FCC Compliance
- · Highest Tx/Rx link budget
- · AMR to AMI Migratable
- Extended lifetime
- · Data Storage for redundant transmissions
- · UPS Battery Backup
- NEMA weatherproof enclosure options

SUPERVISORY CONTROL

The Allegro system not only provides end-to-end visibility for the water utility, but it also provides multiple dimensions of systems integration to responsibly manage assets and infrastructure from a single interface.

Allegro offers:

- · Remote system monitoring
- · Priority alarm support
- Self diagnostics
- · Remote firmware upgrades
- · IP-addressable infrastructure



OVERVIEW

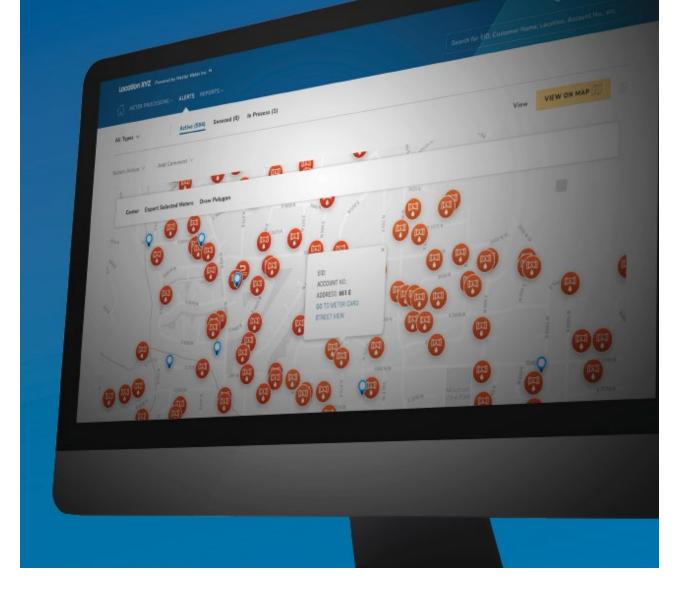
ww.mastermeter.com



harmony*encore*

METER DATA MANAGEMENT +

ENTERPRISE SOLUTION SOFTWARE



harmony^{*}encore^{*}

JOHN DOE

8

METER DATA MANAGEMENT + ENTERPRISE SOLUTION SOFTWARE

Master Meter took our best-in-class Harmony MDM software and completely re-envisioned every aspect including its design, interoperability, user experience (UX), and speed to bring North American utilities an entirely new software experience to be more intuitive, natural, with key information that is a single click away. Harmony Encore makes sense of consumption information, empowers customer service, and simplifies meter operations that solve today's most pressing utility challenges and those of tomorrow.

The Harmony Encore Suite is an open platform designed to be universally compatible with every Mobile AMR or AMI Network on the market today. How the data arrives isn't important because Harmony Encore is system agnostic. Its integrated Google® Mapping Tools and advanced Meter Data Management (MDM) features provide an exceptional environment for managing, reporting, and analyzing advanced metering infrastructure and mobile drive-by AMR information. Leveraging the Microsoft® Azure™ cloud, Harmony Encore delivers super-fast performance bringing the Internet of Things (IoT) into any sized water utility.

* To the best of our knowledge at the time of publishing.

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SOFTWARE

HARMONY ENCORE SOFTWARE METER DATA MANAGEMENT + ANALYTICS



INFORMATION STUNNINGLY PRESENTED

Harmony Encore represents much more than a face lift to our award-winning Harmony MDM software. We've completely reimagined our software with faster performance, a refined, more intuitive user experience, and improved functionality.

Harmony Encore is the direct result of ideas and input from collaboration with water utilities during early design. Data is made more useful through enhanced clarity and design simplicity. Easily review system-wide consumption and make sense of it with a wide array of chart and map views. Analyze consumption trends relative to precipitation with Harmony Encore's "Consumption Cluster" mapping tool for a graphical model of high-and-low consumption regions.

CUSTOMIZABLE REPORTS

Leveraging the Microsoft® Azure™ cloud, Harmony Encore creates an exceptionally intuitive user experience for displaying and analyzing important data in a multitude of ways such as customizable reports, charts, graphs, and analyzing data from AMI and mobile data acquisition systems and providing insights. Harmony Encore also offers endto-end data security and deep encryption to protect your customer's information and network access.

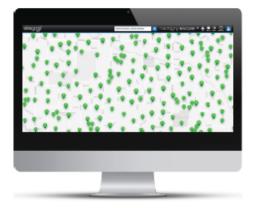


VISIBILITY SNAPSHOT

- Technology platform agnostic Harmony Encore loves 3rd party data
- Simple, scalable HANDHELD → AMR → AMI technology migration
- Dynamic 2-way communication with endpoints and field assets
- Scalable, Microsoft[®] Azure[™] Cloud hosted software supports any account size
- Cross platform SaaS works seamlessly with Windows and Apple environments
- Multiple GIS data layers including Google StreetviewTM for quick service location inspection prior to truck roll
- Easily create District Metered Areas (DMA) with Harmony Encore's Polygon + Tool^{**} to analyze water loss and flow

24/7 MONITORING

Harmony Encore monitors both water loss and network performance in real time using Allegro Licensed AMI. Critical alerts such as leak, tamper or reverse flow trigger timely notifications to utility personnel. Leverage an AMI network's two-way communication capabilities using On-Demand Reads and Data Logging directly from within Harmony Encore. Quickly scroll and zoom to view RF performance and network health to preemptively manage issues before they become serious.



HARMONY ENCORE GETS ALONG WITH EVERY METER DATA SOURCE

HARMONY ENCORE'S FLEXIBLE DATA MANAGEMENT

Harmony Encore simply loves data and it's incredibly accommodating regardless of which manufacturer's brand it comes from or the technology type used to provide it. Broad interoperability is a cornerstone in Harmony Encore's development. All Allegro Licensed, Allegro Cellular, and Allegro IoT Advanced Meter Infrastructure (AMI) technologies innately integrate with Harmony Encore - it's even backwards compatible with Master Meter's 3G Mobile AMR meter reading system and earlier hand-held data systems.

The GPS-based Mapping software means that vehicles and personnel are always connected for asset management and inventory controls. Leverage the Microsoft® Azure® Cloud Platform for seamless data integration between Harmony Enterprise Platform and Harmony Mobile®.









REVENUE IMPACT ALERTS™

Leak Alerts and Flow Monitoring assist in reclaiming lost revenue from unaccounted for water and right-sizing of meters. In addition, notifications for theft and tamper are relayed back to the Cloud for analysis and action. Inactive meters are also identified and queued for inspection.

	Enarch for FED. Conductor Heres, Location, Association, etc.
	RECEIPTION LEVEL (TOTAL BES AM METERS)
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÷	PRECIPITION & CONSUMPTION HISTORY
FLOW	
	a Ma Ma Man Man Man Man Man Man Man Man
	 Consumption (JUIC) == Proviplication (in)

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ANY METER. ANYWHERE.

Harmony Encore's integrated API capabilities will eliminate 3rd party software incompatibility challenges and foster seamless integration and system future proofing. This new level of software flexibility makes possible the integration of nearly every meter data source for every meter. The utility receives a robust, multifaceted data platform that supports two-way communication and provides consumption analysis down to 15 minutes. Remote programming of Meters and Remote Firmware Upgrades are also available through Harmony Encore's Enterprise platform while using the Allegro AMI system.

FEATURES FOCUS:

- MDM is agnostic towards the chosen meter and AMI tech
- Flexible, modular software is forward-ready to support future growth in functionality
- Secure offsite cloud-based data redundancy and remote storage
- Designed for utilities by utilities with continually enhanced features and modules
- Integration of external data: GIS, CIS and other applications via APIs

CUSTOMER ENGAGEMENT

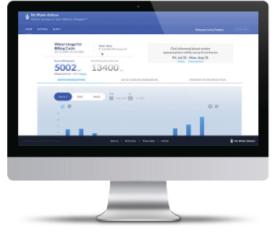
MY WATER ADVISOR[™] CUSTOMER ENGAGEMENT SUITE



CUSTOMER WEB PORTAL + SMART PHONE INTEGRATION

Place the power of Harmony Encore in the hands of your utility customer, with the My Water Advisor³⁴ customer engagement web portal. The online application allows for convenient access to up-to-date hourly usage information. The chart view allows for daily, monthly, and yearly review of water usage and also shows a comparison to the user for real accountability. This full-featured water portal allows the user to set up alerts for on-premises leak detection, over-budget notifications, and gives the ability to set vacation periods to be notified of unusual, unauthorized usage while a customer is away.





Both iOS and Android can easily display My Water AdvisorTM. This water management software for the consumer puts the power of the online portal in the ratepayer's hands allowing for simple management of their usage via a smart phone.



MOVING AT THE SPEED OF TECHNOLOGY™

Master Meter provides water utilities with precise digital measurement, data delivery, and water management software that optimize revenue, improves efficiencies, and promotes water stewardship through enhanced customer engagement. Master Meter continually expands its solutions portfolio of new and innovative smart water technologies in support of today's highly dynamic water utility business environment, and the water department's rapidly evolving role within a Smart City and IoT strategic plan. Our smart water brands include Sonata & Octave Ultrasonic meters, Allegro AMI, Harmony MDM, and My Water Advisor Portal.

Warranty Information



Consolidated Measurement and Systems Products & Meter Accuracy Warranty

Master Meter, Inc. + 101 Regency Pkwy, Mansfield, TX 76063 + T: 817-842-8000 + F: 817-842-8100 + MasterMeter.com

Effective Date 08.12.2021

Proprietary and Confidental

Multi-Jet 5/8" –2" and Positive Displacement 5/8" – 1"

Scope of Integrity

This warranty applies exclusively to Master Meter Multi-jet 5/8", 3/4", 1", 1.5", and 2" meters and Positive Displacement 5/8", 3/4", and 1" meters when used for clean cold potable water (per applicable AWWA Standard) and installed in accordance with Master Meter published installation instructions in effect as of the date of Master Meter shipment. This warranty applies exclusively to the original utility purchaser when product is purchased from either Master Meter or an authorized Master Meter distributor. Coverage in both terms of time and registered usage is from date of shipment by Master Meter.

Materials and Workmanship

If used and installed as described above, Master Meter warrants all Multi-jet (5/8", 3/4", 1", 1.5" and 2") and Positive Displacement (5/8", 3/4", and 1") to be free from defects in materials and workmanship for a **period of 24 months.**

Case Integrity

If used and installed as described above, Master Meter, Inc. warrants that the low lead bronze cases of the 5/8", 3/4", 1*, 1.5" and 2" Multi-Jet Meters and the 5/8", %, and 1" Positive Displacement Meters will retain their structural integrity for a period of 25 years from the date of Master Meter shipment.

The Master Meter Positive Displacement meets or exceeds the AWWA's most recent revision of C700 Standard for Accuracy. The Master Meter Multi-jet meets or exceeds the AWWA's most recent revision of C708 Standard for Accuracy.

20 YEAR TOTAL ACCURACY GUARANTEE												
5 YEARS NEW				15 YE	ARS REPAIRED							
	5/8" x 3/4"	3/4"	1"	1.5"	2"							
NEW Meter Accuracy	5 Years or 750,000 USG	5 Years or 750,000 USG	5 Years or 1,100,000 USQ	5 Years or 1,600,000 USG	5 Years or 2,100,000 USG							
REPAIRED Meter Accuracy	15 Years or 2.500,000 USG	15 Years or 2,500,000 USG	15 Years or 3,250,000 USG	15 Years or 5,600,000 USG	15 Years or 10,400,000 USG							

Effective Date 08.12.2021



Ultrasonic Smart Measurement

SONATA Ultrasonic for Residential Applications

Scope of Integrity

This warranty applies exclusively to Master Meter Sonata 5/8", 3/4" and 1" meters when used for clean cold potable water (per applicable AWWA standard) and installed in accordance with Master Meter published installation instructions in effect as of the date of Master Meter's shipment. This warranty applies exclusively to the original utility purchaser when product is purchased from either Master Meter or an authorized Master Meter distributor. Coverage in both terms of time and registered usage is from date of shipment by Master Meter.

Case Integrity

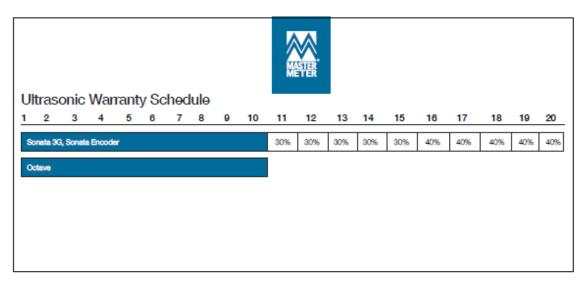
If used and installed as described above, Master Meter warrants all Sonata meters (5/8*, 3/4* and 1*) will retain their structural integrity for a **period of 20 years**.

Electronics

If used and installed as described above, Master Meter warrants all Sonata meters (5/8", 3/4" and 1") batteries, transducers, LCD, and communications output (encoder, or integrated 3G Radio) will be warranted for a **period of 20 years**. Master Meter will repair or replace the meter at no cost for the first ten (10) years and prorated in Years 11 – 20 as listed below.

Accuracy

Master Meter warrants all Sonata meters (5/8", 3/4" and 1") will meet or exceed +/- 1.5% accuracy in the Normal Operating Range of the meter, as defined in the latest revision of the Sonata Product Data Sheet for a **period of 20 years**. Master Meter will repair or replace the meter at no cost for the first ten (10) years and prorated in Years 11-20 as listed below.



OCTAVE Ultrasonic for Commercial and Industrial (C&I) Applications

Scope of Integrity

This warranty applies exclusively to Master Meter Octave 1.5" - 12" meters when used for clean cold potable water (per applicable AWWA standard) and installed in accordance with Master Meter published installation instructions in effect as of the date of Master Meter's shipment. This warranty applies exclusively to the original utility purchaser when product is purchased from either Master Meter or an authorized Master Meter distributor. Coverage in both terms of time and registered usage is from date of shipment by Master Meter.

Case Integrity

If used and installed as described above, Master Meter warrants all Octave meters $(1.5^* - 12^*)$ will retain their structural integrity for a **period of 10 years.**

Effective Date 08.12.2021

Electronics

If used and installed as described above, Master Meter warrants all Octave meters (1.5" - 12") main board, batteries, transducers and LCD will be warranted for a **period of 10 years**. Externally attached communication output modules (encoder, pulse, 4-20, dual output and Modbus) will be warranted for a **period of 1 year**.

Accuracy

Master Meter warrants all Octave meters (1.5" - 12") will meet or exceed +/- 1.5% accuracy in the Normal Operating Range of the meter, as defined in the latest revision of the Octave Product Data Sheet for a **period of 10 years**.



C&I Products – Turbines, Fire Hydrant Meters

Turbine Meters and Fire Hydrant Meters

Master Meter 2" – 8" bronze body and 10" and 12" cast iron body **Turbine Meters** and **Fire Hydrant Meters** are warranted to perform to all applicable AWWA accuracy standards. Turbine and Fire Hydrant Meters are warranted be free from **material and workmanship** defects for **two years (24 months)** as of the date of Master Meter's shipment. Master Meter Turbine and Fire Hydrant Meters are warranted for accuracy for **one (1) year** from the date of Master Meter shipment.

Allegro Infrastructure & Equipment Warranty

Base Station	One (1) year ²
Repeater ¹	One (1) year ²
Mobile Receiver	One (1) year

1. Repeater. This covers all versions of repeaters, including but not limited to: Standard Repeater, Photocell Repeater, and Solar Repeater

Extended Warranty. Additional warranty for Allegro Infrastructure Equipment can be purchased on a per unit basis. Master Meter's Extended Warranty must be purchased within 12 months of the original shipment date of equipment. Eligibility is based on continuous annual enrollment.

Escalation for Services: five percent (5%). Services. Invoices for Ongoing Fees and services shall be delivered annually or monthly, as applicable, in advance. Invoices for other services shall be delivered upon completion of the applicable service.

ALL MASTER METER PRODUCTS NOT SPECIFICALLY IDENTIFIED ABOVE, OR ANY METER USED FOR NON-POTABLE WATER, ARE WARRANTED TO BE FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP FOR ONE (1) YEAR AS OF THE DATE OF MASTER METER'S SHIPMENT.

Effective Date 08.12.2021



Register & Electronics – General Limited Warranty

MASTER.																			
	ars																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Direct Read Register																			
3G	-DS AM	R & Ext	ernal Tra	insceive	ins -					30%	30%	30%	30%	30%	40%	40%	40%	40%	40%
3G	-DS Inte	rpreter	and Inte	rpreter l	I Regist	er& Ex	ternal T	lianscei	vers	30%	30%	30%	30%	30%	40%	40%	40%	40%	40%
All	egro™Re	gistors	& Exten	nal Tran	ceivers					30%	30%	30%	30%	30%	40%	40%	40%	40%	40%
Inte	erpreter	Registe	r for Gric	dLinx [™] 8	Extern	al Tranc	eivers			30%	30%	30%	30%	30%	40%	40%	40%	40%	40%
Inte	erpreter	Registe	r for Itro	n [®] & Ed	ternal Tr	anceive	15			30%	30%	30%	30%	30%	40%	40%	40%	40%	40%
eLinx Electronic Encoder Register								Prorated Replacement Cost											
AccuLinx Encoder Register ReadMaster [®] Register										I									

DISCOUNT PERCENTAGES WILL BE APPLIED AGAINST PUBLISHED LIST PRICES IN EFFECT AT THE TIME THE PRODUCT IS ACCEPTED BY MASTER METER UNDER WARRANTY CONDITIONS. THE WARRANTIES CONTAINED ABOVE HEREOF ARE THE ONLY WARRANTIES WITH RESPECT TO THE LISTED PRODUCTS, AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, BETWEEN THE PARTIES OR ARISING BY LAW. IN PARTICULAR, MASTER METER DISCLAIMS ANY AND ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THESE WARRANTIES SHALL BE VOID IN THE EVENT THAT MASTER METER DETERMINES THAT THE FAILURE OR DEFECT IN THE LISTED PRODUCT HAS ARISEN AS A RESULT OF THE PRODUCT BEING USED FOR ANY PUPOSE OTHER THAN THAT WHICH WAS INTENDED AND APPROPRIATE AT THE TIME OF MANUFACTURE INCLUDING USE IN A CONFIGURATION OTHER THAN AS RECOMMENDED BY MASTER METER OR AS A RESULT OF IMPROPER INSTALLATION OR MAINTENANCE.

 Master Meter, Inc. ("Master Meter") warrants its products and parts to be free from defects in material and workmanship for one (1) year from the date of Master Meter's shipment, if not otherwise specified or as set forth in this document.

II. AllegroTM Integrated registers and AllegroTM External Transceiver Modules are warranted to be free from defects in materials and workmanship for Ten (10) years from date of shipment by Master Meter and at a prorated replacement cost of current list price during the following Ten (10) years based on the discounted rate value listing above (configured to the original factory settings of twice daily transmissions of 12 hourly interval reads, allowing for no more than 2 customer requested firmware upgrades for the life of the product, and no more than 4 data logs per year.) All other Allegro System Components are warranted to be free from defects in materials and workmanship for One (1) year from date of shipment by Master Meter.

III. DIALOG 3G[™] DS, DIALOG 3G[™] DS Interpreter / Interpreter II registers, and DIALOG 3G[™] External Transceiver Modules are warranted to be free from defects in materials and workmanship for Ten (10) years from date of shipment by Master Meter and at a prorated replacement cost of current list price during the following Ten (10) years Effective Date 08.12.2021 based on the discounted rate value listing above (configured to the original factory settings with a typical usage of no more than 4 data logs per year.) All other DIALOG 3G DS System components and features are warranted to be free from defects in materials and workmanship for One (1) year from date of shipment by Master Meter.

IV. InterpreterTM Register with GridLinxTM Protocol. InterpreterTM Register with Itron[®] (formerly Silver Spring Networks) Protocol, and all GridLinx or Itron External Transceiver Modules operating on the GridLinx and Itron Network are warranted to be free from defects in materials and workmanship for Ten (10) years from date of shipment by Master Meter and at a prorated replacement cost of current list price during the following Ten (10) years based on the discounted rate value listing above (configured to the original factory settings.) All other System Components for Registers based on GridLinx and Itron Network are warranted to be free from defects in materials and workmanship for One (1) year from date of shipment by Master Meter.

V. AccuLinx[™], eLinx[™], and DIRECT READ registers are warranted to be free from material and workmanship defects for ten (10) years, and DIRECT READ registers for fifteen (15) years, from date of Master Meter shipment. All other Master Meter products not specifically



identified above are warranted to be free of defects in materials and workmanship for one (1) year from date of Master Meter shipment.

VI. ReadMaster™ registers are warranted to be free from material and workmanship defects for five (5) years from date of shipment by Master Meter (configured to the original factory settings four (4) transmissions daily). All other ReadMaster system components not specifically identified above are warranted to be free of defects in materials and workmanship for one (1) year from date of shipment by Master Meter. VII. DIALOG 3G[™] Gas Modules and DIALOG 3G[™] Electric Modules are warranted to be free from defects in material and workmanship for one (1) year from date of shipment by Master Meter.

VIII. RETURNS: Master Meter's obligation, and Customer's exclusive remedy, under this Limited Warranty is, at Master Meter's option, to repair or replace the product, provided the Customer (a) returns the product to the location designated by Master Meter within the warranty period; and (b) prepays the freight costs to such location.

Warranty & Limits of Liability

This warranty does not apply to meters or registers determined by Master Meter, at its sole discretion, to have been damaged by aggressive water conditions, foreign matter in water, vandalism, negligence, installation not in accordance with Master Meter, Inc. installation instructions, misapplication or other use not as described on this document, acts of God or other conditions beyond the control of Master Meter, Inc. This warranty is null and void if it is determined by Master Meter that a meter is altered by the addition of any register not manufactured by or on behalf of Master Meter, Inc. for its specific model and size. If a meter is claimed to breach the accuracy guarantees as stated herein, the customer shall submit a certified copy of the test results at the time the meter is returned to Master Meter, Inc. The accuracy warranty shall be void if an examination of the customer's water system shows poor water guality causing an unusually adverse effect on metering equipment.

Master Meter's liability under this warranty is expressly limited to repair or replacement of the product, or similar product and/or component, at Master Meter's sole discretion, at Master Meter's option. The repaired or replacement product will maintain the original meter's warranty based on the original purchase date. The customer must pay for freight cost of the returned product or products to the factory or service center designated by Master Meter. The product returned becomes the property of Master Meter.

If product is not determined to be under warranty, customer will pay freight for return of the original product. If the product is determined to be under warranty, the product will be repaired and returned to the customer, replaced, or Master Meter will determine a suitable substitute (at Master Meter's sole option), with freight paid by Master Meter. The original product returned becomes the property of Master Meter. Master Meter shall not be liable for special, incidental, in-direct or consequential damages of any kind.

The return of products for warranty claims must follow Master Meter's Returned Materials Authorization (RMA) procedures. All Master Meter Products returned must be affixed with an approved Return Authorization form. For all returns, Master Meter reserves the right to request meter reading records by serial number to validate warranty claims.

For products that have become discontinued or obsolete ("Obsolete Product"), Master Meter may, at its discretion, replace such Obsolete Product with a different product model ("Replacement Product"), provided that the Replacement Product has substantially similar features as the Obsolete Product.

Any description of product, whether in writing or made orally by Master Meter, Inc or its agents, specifications, samples, literature, models, bulletins, drawings, diagrams, data sheets or similar materials used in connection with any customer's order are for the sole purpose of identifying product and shall not be construed as an express or implied warranty. Any suggestions by Master Meter, Inc. or its agents regarding use, application, or suitability of product shall not be construed as an express or implied warranty unless confirmed to be such in writing by Master Meter, Inc.

If any provision hereof, partly or completely, shall be held invalid or unenforceable, such invalidity shall not affect any other provision or portion hereof and these terms shall be construed as if such invalid or unenforceable provision or portion thereof had never existed.

THE FOREGOING EXPRESS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR GUARANTEES WHATSOEVER, WHETHER EXPRESSED OR IMPLIED (EXCEPT FOR WARRANTY OF TITLE) INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. CUSTOMER'S EXCLUSIVE REMEDY AND MASTER METER, INC. AND ITS BUSINESS PARTNERS' SOLE LIABILITY ON ANY CLAIM, WHETHER IN BIAS (INCLUDING STRICT LIABILITY), NEGLIGENCE, CONTRACT, WARRANTY OR OTHERWISE, FOR ANY METER OR REGISTER WHICH FAILS TO MEET THE TERMS OF THE WARRANTY STATED IN THIS DOCUMENT, SHALL BE LIMITED TO REPAIR OR REPLACEMENT AS DESCRIBED ABOVE.

Disclaimer. EXCEPT FOR THE WARRANTY SET FORTH INTHIS AGREEMENT, SELLER MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE GOODS, INCLUDING ANY (A) WARRANTY OF MERCHANTABILITY; OR (B) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.

No Consequential or Indirect Damages. EXCEPT AS OTHERWISE PROVIDED, IN NO EVENT SHALL MASTER METER OR ANY OF ITS BUSINESS PARTNERS BE LIABLE TO THE CUSTOMER OR ANY THIRD PARTY FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, EXEMPLARY, SPECIAL OR PUNITIVE DAMAGES, INCLUDING ANY DAMAGES FOR BUSINESS INTERRUPTION, LOSS OF USE, DATA, REVENUE OR PROFIT, COST OF CAPITAL, COST OF SUBSTITUTE EQUIPMENT, DOWNTIME COSTS, WHETHER ARISING OUT OF BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, REGARDLESS OF WHETHER SUCH DAMAGES WERE FORESEEABLE AND WHETHER OR NOT THE MASTER METER WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Maximum Liability. EXCEPT AS OTHERWISE PROVIDED IN NO EVENT SHALL MASTER METER'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO THIS AGREEMENT, WHETHER ARISING OUT OF OR RELATED TO BREACH OF CONTRACT, TORT (INCLUDING

Effective Date 08.12.2021



NEGLIGENCE) OR OTHERWISE, EXCEED THE TOTAL AMOUNT PAID TO THE SELLER PURSUANT TO THIS AGREEMENT. THE FOREGOING LIMITATIONS SHALL APPLY EVEN IF THE CUSTOMER'S REMEDIES UNDER THIS AGREEMENT FAIL OF THEIR ESSENTIAL PURPOSE.

Sole Remedy. THIS LIMITATION OF LIABILITY SETS FORTH MASTER METER'S SOLE LIABILITY AND ENTIRE OBLIGATION AND THE CUSTOMER'SEXCLUSIVE REMEDY FOR ANY ACTION THAT IS BROUGHT AGAINST MASTER METER.

Governing Law and Venue. ALL DISPUTES ARISING OUT OF OR RELATING TO THIS AGREEMENT SHALL BE GOVERNED BY TEXAS LAW, EXCLUDING ITS CHOICE OF LAW RULES, WITH JURISDICTION AND VENUE IN THE STATE OR FEDERAL COURTS OF TARRANT COUNTY, TEXAS. THE PARTIES CONSENT TO THE PERSONAL JURISDICTION OF, AND VENUE IN, SUCH COURTS AND AGREE THAT NO SUCH COURT IS AN INCONVENIENT FORUM.

Master Meter, Inc. The Science of Precise Measurement™ 101 Regency Parkway, Mansfield, TX 76063 Toll Free: 800-765-6518 • Main Line: 817-842-8000 • FAX: 817-842-8100 MasterMeter.com

©2021 Master Meter, Inc. All rights reserved. DIALOG and Master Meter are registered trademarks of Master Meter, Inc. Master Meter reserves the right to make modifications to the products described herein at any time and without notice. U.S. Patent Nos. 6,819,292; 6,954,178; and others pending.

Effective Date 08.12.2021

Proprietary and Confidental

HYDROPRO

GCRTECH & HYDROPRO

SOLUTIONS

CONT

USNOW

877-747-3656

hydroprosolutions.com

WHY HYDROPRO?

HydroPro Solutions looks to bring it's customers the best and most up to date products in the industry.

/ PRESSURE/FLOW MONITORING

HydroPro Solutions along with GCRTECH provides a fast and efficient pressure and flow monitoring system. HydroPro's solutions identify issues on pipe leaks, customer pressure complaints, and pressure build up detection. Contact us today to put together a comprehensive package of services to meet your utility's needs

WE OFFER



LEAKAGE FLOW MONITORING

HYDRAULIC NETWORK ANALYSIS

PRESSURE SURGE DETECTION

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TXSHARE AMI PROPOSAL

WHY GCRTECH?

The GCRTECH series is a newer and more efficient way to monitor and manage your piping infrastructure. with a 5 year battery life, a durable stainless steel fully potted case, completely waterproof, and other various features. HydroPro Solutions suggest this for any pressure/flow monitoring and management you may need.

GCRTECH FEATURE

5 Year Battery Life Expectancy Waterproof/Submersible Non-Volatile Data Memory Pressure Surge Detection Future Proofed



GCRTECH TRID

The TRID stores data in nonvolatile memory into data files. Each data file is an independent data logger with its own start/stop time, sample rate, and logging rate. Pressure measurement accuracy is optimized using multi-point calibration.





GCRTECH TRI-T

The TRI-T data logger use new data logging architecture that allows the user to monitor pressure input of average values based on fast sampling rates down to 10 samples/second. The logger can also detect and log pressure surge data up to 1000 readings per second without interfering with main recordings.

CONTACT

USNOW



GCRTECH GTRI

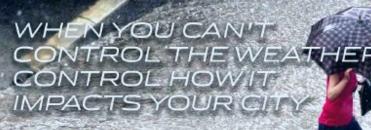
The GTRI data logger is built fo but not limited to, leak detection, pressure detection, flow and pressure monitoring. An all encompassing logger with a durable shell and fast log rate. Has been built for 4G & 5G but still offers 2G options fo Legacy systems

877-747-3656

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TXSHARE AMI PROPOSAL



360° visibility, 365 days of the year.

Learn More at: www.HydroProSolutions.com

HYDROPRO

Not Your Average Monitoring System

Dedicated to the development of a solution that promised to provide reliable collection system visibility, HydroPro Solutions along with SmartCover has introduced the first real-time remote monitoring system designed specifically to prevent sewer spills. Today, wastewater utilities have come to depend on HydroPro Solutions for proactive predictions and notifications to help prevent sewer overflows. Contact HydroPro to build a comprehensive package that will solve your utility's issues today

SMARTLEVELTM SEWER LEVEL MONITORING

- Used for measuring and reporting sewer levels
 Provides collection systems with unmanned operations monitoring real time sewer levels 24/7
 Subtle nuances in level data are analyzed and
- Subtle nuances in level data are analyzed and when irregularities or anomalies are detected, the system sends notifications for situational assessment
- The system is able to indicate when and where there may be a potential pipe blockage due to debris, fats, roots, oil or grease, causing levels to rise



Sewer spill prevention

- Collection system cleaning optimization
- Inflow and infiltration tracking

WHY SMARTCOVER?

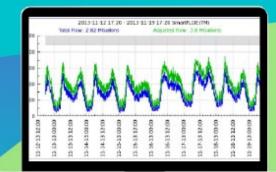
- Manhole intrusion detection
- Lift station backup
- H2S monitoring
- Nuclear power plant cable preservation
- Storm and surface water data fusion



TXSHARE AMI PROPOSAL

HYDROPRO

Learn More at: www.HydroProSolutions.com



IPEN CHANNEL FLOW ESTIMATION

- Tracking inflow and infiltration (I&I) when combined with rain data
- Capacity assessments Influent & effluent measurements
- Environmental and storm water flows
- General flow monitoring
- Bypass monitoring
- Determining wet vs. dry weather ratios

RAIN DATA INTEGRATI

SmartRain™ integrates your SmartCover level and flow data with Doppler radar and local rain gauge data. This integration creates an easy method to develop a comprehensive understanding of the relationship between your collection system level or flow affected by rain events. Rain data is acquired from any desired location and presented in the user interface along with level or flow data in a single display.



- Works when there is no power
- Satellite coverage withstands cellular
- Variable timing options for data scan and notifications

FEATURING:

- Built in tilt switch for real time entry detection
- Encrypted secure servers
- Reduces traffic
- Secure, online dashboard with easyto-read reports



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OUR SOLUTIONS STREAMLINE THE WATER SHUTOFF PROCESS, REDUCE COSTS, AND IMPROVE SAFETY

3-POSITION REMOTE DISCONNECT VALVE WITH AMI ENDPOINT

Our primary objective is to gain a deep understanding of your utility's specific challenges and objectives, enabling us to customize the ideal blend of these solutions for maximum benefit.

In today's economy, non-paying customers can put your business in the red. With fluctuating gas prices, utilities waste even more dollars by sending employees to shut off the water onsite. The entire process for just one customer could cost hundreds of dollars, assuming they don't encounter dangerous animals, inaccessible locations, or even aggressive civilians.

- METER AGNOSTIC, MODULAR DESIGN
- CELLULAR LTE-M OR LORAWAN
- MALE-FEMALE SWIVEL NUT VALVE BODY
- IP68 RATED FOR SUBMERSION
- AQUANA WEB & MOBILE APPLICATIONS
- AQUANA CLOUD API FOR 3RD PARTY APPS

PRODUCT DESCRIPTION

AMI Integrated

The integrated AMI endpoint supports either pulse or encoded output meters, via 2 or 3-wire serial cables, to collect, store and transmit meter readings at user configurable check-in intervals.

Three Valve Positions

AquaFlow supports three valve positions (OPEN, CLOSED, REDUCED FLOW). Position Reduced Flow is configured for trickle flow at 1-2GPM (60psi) for utilities that do not wish to fully disconnect water service. With Aquana, HydroPro offers a way to stay in your office and remotely shut off and turn on, the customer's water. The remote-control valves along with cloud-based software creates automated workflows that save you time, money and keep your employees safe, while eliminating costly truck rolls.

Smart Valve

Leak Protection

On-valve configurable leak and burst protection can provide flow-based detection, with immediate notification and automatic shutoff capabilities for constant low and high-flow conditions.

Easy Install with Swivel Nut

Each residential size valve is designed with NPSM threaded male and female swivel nut (5/8"x1/2", 3/4", 1"). This allows easy installation directly to meter. Each valve body is NSF61/lead-free certified with a brass body and stainless steel ball.

Interested in Aquana's solutions? Contact HydroPro today!

YDROPRO hydroprosolutions.com (877) 747-3656



REQUIRED ATTACHMENT CHECKLIST

Please utilize this checklist to ensure that all required attachments are included with your proposal. IF AN ATTACHMENT DOES NOT APPLY, PLEASE MARK AS "NOT APPLICABLE" AND SUBMIT WITH THE PROPOSAL. FAILURE TO SUBMIT ALL REQUIRED DOCUMENTS MAY NEGATIVELY IMPACT YOUR EVALUATION SCORE. Page 1 - Cover Sheet Page 21 - Attachment I: Instructions for Proposals Compliance and Submittal Page 22 - Attachment II: Certification of Offeror Page 23 - Attachment III: Certification Regarding Debarment Page 24 - Attachment IV: Restrictions on Lobbying Page 26 - Attachment V: Drug-Free Workplace Certification Page 27 - Attachment VI: Certification Regarding Disclosure of Conflict of Interest Page 30 - Attachment VII: Certification of Fair Business Practices Page 31 - Attachment VIII: Certification of Good Standing Texas Corporate Franchise Tax Certification Page 32 - Attachment IX: Historically Underutilized Businesses Page 33 - Attachment X: Federal and State of Texas Required Procurement Provisions Page 36 - Exhibit 1: Pricing Proposal Page 38 - Exhibit 2: Sample Market Basket Form Page 39 – Exhibit 3: Service Area Designation Forms

Respondent recognizes that all proposals must be submitted electronically through <u>Public Purchase</u> by the RFP due date and time. All other forms of submissions will be deemed nonresponsive and will not be opened or considered.



REQUEST FOR PROPOSALS For Advanced Metering Infrastructure (AMI) Solutions RFP # 2025-002

Sealed proposals will be accepted until 2:00 PM CT, January 10, 2025, and then publicly opened and read aloud thereafter.

HPS, LLC

Legal Name of Proposing Firm

Greg Broyles

Contact Person for This Proposal

512-994-6198

Contact Person Telephone Number

907 Rockmoor Dr.

Street Address of Principal Place of Business

907 Rockmoor Dr.

Mailing Address of Principal Place of Business

Greg Broyles

Point of Contact for Contract Negotiations

512-994-6198

greg@hydroprosolutions.com

#4 #5

Point of Contact Telephone Number

Point of Contact Person E-Mail Address

#3

Acknowledgment of Addenda (initial): #1

NOTE: Any confidential/proprietary information must be clearly labeled as "confidential/proprietary". All proposals are subject to the Texas Public Information Act.

#2

COVER SHEET

greg@hydroprosolutions.com

Contact Person E-Mail Address

Georgetown TX	78628
City/State	Zip

Georgetown TX City/State

Zip

78628

President

Title

Title

President

ATTACHMENT I: INSTRUCTIONS FOR PROPOSALS COMPLIANCE AND SUBMITTAL

Compliance with the Solicitation

Submissions must be in strict compliance with this solicitation. Failure to comply with all provisions of the solicitation may result in disqualification.

Compliance with the NCTCOG Standard Terms and Conditions

By signing its submission, Offeror acknowledges that it has read, understands and agrees to comply with the NCTCOG standard terms and conditions.

Acknowledgment of Insurance Requirements

By signing its submission, Offeror acknowledges that it has read and understands the insurance requirements for the submission. Offeror also understands that the evidence of required insurance must be submitted within ten (10) working days following notification of its offer being accepted; otherwise, NCTCOG may rescind its acceptance of the Offeror's proposals. The insurance requirements are outlined in the <u>NCTCOG Procurement Standard Terms and Conditions</u>.

Name of Organization/Contractor(s):

HPS, LLC

Signature of Authorized Representative:

_____ Reg Brully Date: 12/18/2024

ATTACHMENT II: CERTIFICATIONS OF OFFEROR

I hereby certify that the information contained in this proposal and any attachments is true and correct and may be viewed as an accurate representation of proposed services to be provided by this organization. I certify that no employee, board member, or agent of the North Central Texas Council of Governments has assisted in the preparation of this proposal. I acknowledge that I have read and understand the requirements and provisions of the solicitation and that the organization will comply with the regulations and other applicable local, state, and federal regulations and directives in the implementation of this contract.

I also certify that I have read and understood all sections of this solicitation and will comply with all the terms and conditions as stated; and furthermore that I, Greg Broyles (typed or printed name) certify that I am the (title) of the corporation, partnership, or sole proprietorship, or other eligible entity named as offeror and respondent herein and that I am legally authorized to sign this offer and to submit it to the North Central Texas Council of Governments, on behalf of said offeror by authority of its governing body.

Name of Organization/Contractor(s):

HPS, LLC

Signature of Authorized Representative:

Date: 12/18/2024

ATTACHMENT III: CERTIFICATION REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

- 1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;
- 2. Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statues or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;
- 3. Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,
- 4. Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

Name of Organization/Contractor(s):

HPS, LLC

Signature of Authorized Representative:

Date: 12/18/2024

ATTACHMENT IV: RESTRICTIONS ON LOBBYING

Section 319 of Public Law 101-121 prohibits recipients of federal contracts, grants, and loans exceeding \$100,000 at any tier under a federal contract from using appropriated funds for lobbying the Executive or Legislative Branches of the federal government in connection with a specific contract, grant, or loan. Section 319 also requires each person who requests or receives a federal contract or grant in excess of \$100,000 to disclose lobbying.

No appropriated funds may be expended by the recipient of a federal contract, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal executive department or agency as well as any independent regulatory commission or government corporation, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered federal actions: the awarding of any federal contract, the making of any federal grant, the making of any federal loan the entering into of any cooperative agreement and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

As a recipient of a federal grant exceeding \$100,000, NCTCOG requires its subcontractors of that grant to file a certification, set forth in Appendix B.1, that neither the agency nor its employees have made, or will make, any payment prohibited by the preceding paragraph.

Subcontractors are also required to file with NCTCOG a disclosure form, set forth in Appendix B.2, if the subcontractor or its employees have made or have agreed to make any payment using nonappropriated funds (to <u>include</u> profits from any federal action), which would be prohibited if paid for with appropriated funds.

LOBBYING CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

The undersigned certifies, to the best of his or her knowledge or belief, that:

- 1. No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification or any federal contract, grant, loan, or cooperative contract; and
- 2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, and or cooperative contract, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying", in accordance with the instructions.
- 3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers and that all sub-recipients shall certify accordingly.

Name of Organization/Contractor(s): HPS, LLC

Signature of Authorized Representative:

Eleg Brofler Date: 12/18/2024

ATTACHMENT V: DRUG-FREE WORKPLACE CERTIFICATION

The HPS, LLC (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the

<u>HPS, LLC</u> (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor's policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor's policy Proposal;

Notifying the employees in the subcontractor's policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statue in the workplace;

Notifying the Board within ten (10) days of the subcontractor's receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statue or requires such employee to participate in a drug abuse assistance or rehabilitation program.

Name of Organization/Contractor(s):

HPS, LLC

Signature of Authorized Representative: bley Broyler

Date: 12/18/2024

ATTACHMENT VI: DISCLOSURE OF CONFLICT OF INTEREST CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST

The undersigned certifies that, to the best of his or her knowledge or belief, that:

"No employee of the contractor, no member of the contractor's governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the North Central Texas Council of Governments, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the NCTCOG, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the NCTCOG shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents".

No officer, employee or paid consultant of the contractor is a member of the NCTCOG.

No officer, manager or paid consultant of the contractor is married to a member of the NCTCOG.

No member of NCTCOG directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

No member of the NCTCOG receives compensation from the contractor for lobbying activities as defined in Chapter 305 of the Texas Government Code.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the North Central Texas Council of Governments any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the NCTCOG as it relates to this contract.

Name of Organization/Contractor(s):

HPS, LLC

Signature of Authorized Representative:

ATTACHMENT VII: CERTIFICATION OF FAIR BUSINESS PRACTICES

That the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

Name of Organization/Contractor(s): HPS, LLC

Stenature of Authorized Representative:

Edeg Broyles

Date: 12/18/2024

ATTACHMENT VIII: CERTIFICATION OF GOOD STANDING TEXAS CORPORATE FRANCHISE TAX CERTIFICATION

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

Indicate the certification that applies to your corporation:



The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.



The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

Type of Business (if not corporation):

	Sole Propriet
	Partnership
\checkmark	Other

Pursuant to Article 2.45, Texas Business Corporation Act, the North Central Texas Council of Governments reserves the right to request information regarding state franchise tax payments.

Greg Broyles

(Printed/Typed Name and Title of Authorized Representative)

gnature

Date: 12/18/24

ATTACHMENT IX: HISTORICALLY UNDERUTILIZED BUSINESSES, MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process.

NCTCOG recognizes the certifications of most agencies. HUB vendors <u>must</u> submit a copy of their certification for consideration during the evaluation of their proposal. Please attach the copy to this form. This applies only to the Offeror and not a subcontractor.

Texas vendors who are not currently certified are encouraged to contact either the Texas United Certification Program, State of Texas HUB Program, or the North Central Texas Regional Certification Agency, among others. Contact:

State of Texas HUB Program Texas Comptroller of Public Accounts Lyndon B. Johnson State Office Building 111 East 17th Street Austin, Texas 78774 (512) 463-6958 http://www.window.state.tx.us/procurement/prog/hub/

North Central Texas Regional Certification Agency 624 Six Flags Drive, Suite 100 Arlington, TX 76011 (817) 640-0606 http://www.nctrca.org/certification.html

Texas United Certification Program USDOT website at https://www.transportation.gov/DBE

You must include a copy of your certification document as part of this solicitation to receive points in the evaluation.

Vendor to Sign Below to Attest to Validity of Certification:

HPS, LLC

Vendor Name DRYLY

Authorized Signature

Greg Broyles

Typed Name

12/18/2024

Date



ATTACHMENT X: NCTCOG FEDERAL AND STATE OF TEXAS REQUIRED PROCUREMENT PROVISIONS

The following provisions are mandated by Federal and/or State of Texas law. Failure to certify to the following will result in disqualification of consideration for contract. Entities or agencies that are not able to comply with the following will be ineligible for consideration of contract award.

PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT CERTIFICATION

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment. Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g., phones, internet, video surveillance, cloud servers) include the following:

- A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
- B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
- C) Telecommunications or video surveillance services used by such entities or using such equipment.
- D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country. The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

The Contractor or Subrecipient hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section/889.

SIGNATURE OF AUTHORIZED PERSON:	Gley Broxles	
NAME OF AUTHORIZED PERSON:	Greg Broyles	
NAME OF COMPANY:	HPS, LLC	
DATE:	12/18/24	
	-OR-	

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.

SIGNATURE OF AUTHORIZED PERSON:	
NAME OF AUTHORIZED PERSON:	
NAME OF COMPANY:	
DATE:	

DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries.

TLGC chapter 2274, Subtitle F, Title 10, identifies that "discrimination against a firearm entity or firearm trade association" includes the following:

- A) means, with respect to the entity or association, to:
 - I. refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; and
 - II. refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or
 - III. terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association.
- B) An exception to this provision excludes the following:
 - I. contracts with a sole-source provider; or
 - II. the government entity does not receive bids from companies who can provide written verification.

The entity identified below, through its authorized representative, hereby certifies that they have no practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and that they will not discriminate during the term of the contract against a firearm entity or firearm trade association as prohibited by Chapter 2274, Subtitle F, Title 10 of the Texas Local Government Code.

The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 2274, Subtitle F, Title 10.

SIGNATURE OF AUTHORIZED PERSON:	GREyBroyles	
NAME OF AUTHORIZED PERSON:	Greg Broyles	
NAME OF COMPANY:	HPS, LLC	
DATE:	12/18/24	_

-OR-

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 2274, Subtitle F. Title 10.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

BOYCOTTING OF CERTAIN ENERGY COMPANIES

This contract is subject to the Texas Local Government Code chapter 809, Subtitle A, Title 8, prohibiting contracts with companies who boycott certain energy companies.

TLGC chapter Code chapter 809, Subtitle A, Title 8, identifies that "boycott energy company" means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

- I. engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuelbased energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; and
- II. does business with a company described by paragraph (I).

The entity identified below, through its authorized representative, hereby certifies that they do not boycott energy companies, and that they will not boycott energy companies during the term of the contract as prohibited by Chapter 809, Subtitle A, Title 8 of the Texas Local Government Code.

The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:	GREy Broyles	
NAME OF AUTHORIZED PERSON:	Greg Broyles	
NAME OF COMPANY:	HPS, LLC	
DATE:	12/18/24	
	-OR-	

The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:

NAME OF AUTHORIZED PERSON:

NAME OF COMPANY:

DATE:

EXHIBIT 1: CATEGORIES OFFERED AND PRICING PROPOSAL

Place a checkmark next to each category you are offering in your proposal:

____ Service Category #1: Water Utility Equipment, Products, and Supplies

_____ Service Category #2: Installation and Repair Services

_____ Service Category #3: Professional Services

_____ Service Category #4: Ancillary Goods and/or Services (List Below)

Pricing Proposal

Respondents are required to submit a comprehensive pricing proposal that outlines their approach to addressing the project goals, key challenges, and minimum solution requirements outlined below. The proposal should not only reflect the costs associated with the proposed water metering solutions but also demonstrate flexibility and innovation in addressing the diverse needs of TXShare's member entities.

Project Goals and Desired Outcomes:

The water meter replacement project is designed to achieve the following key goals shared by TXShare members. Vendors are encouraged to propose solutions that effectively tackle these goals:

1. Versatile Water Metering Solution:

Propose a customizable metering system compatible with various environments and infrastructure types across TXShare's member entities.

2. Advanced Data Management and Integration:

Provide a system that supports real-time data access and integrates seamlessly with various billing and customer service platforms, including AMR and AMI capabilities. Please include the names of the billing and customer service platforms your system is compatible with.

3. Cost-Effective and Scalable Implementation:

Present a pricing model that supports phased implementation, allowing flexibility for entities of different sizes and financial capacities.

Key Challenges to Address:

Respondents should directly address the following challenges in their proposals:

1. Multi-Environment Compatibility:

Detail how your proposed solution will function across diverse installation conditions, ensuring compliance with regional standards.

2. Standardized Yet Customizable Data Integration:

Describe how your data management system will provide standard functionalities while allowing for the unique integration needs of each member entity.

3. Phased Implementation for Cooperative Scalability:

Outline a flexible implementation plan that facilitates phased rollouts, minimizes disruption, and includes strategies for communication and onboarding.

4. Cost Efficiency and Shared Resource Management:

Explain your cooperative pricing discount and financing model, emphasizing cost savings and tiered pricing for varying implementation scales.

5. AI-Driven Analytics and Predictive Insights:

Discuss the capabilities of your AI-based analytics platform in enhancing decision-making, identifying anomalies, and improving customer engagement.

Minimum Solution Requirements:

Proposals must also meet the following minimum requirements:

1. Compatibility: Support various communication technologies to accommodate different technical conditions across TXShare members.

2. Pricing Structure: Offer a cooperative discount pricing model with tiered pricing and flexible financing options tailored to implementation phases.

3. Data System and Security: Ensure robust security measures for data protection and compliance across jurisdictions.

4. Maintenance and Support: Provide comprehensive maintenance and support services, including system monitoring and technical support.

5. Performance Guarantee and Warranty: Offer warranties that cover all major components of the AMI system for long-term reliability.

6. Customer Engagement: Include a customer portal with tools for usage monitoring, alerts, and engagement features.

7. Training: Present a training and support plan for smooth implementation and ongoing operation.

8. Scalability: Ensure the solution can scale for future growth in meters and data volume.

9. Data Analytics and Reporting: Incorporate advanced analytics capabilities for actionable insights.

10. Disaster Recovery and Business Continuity: Include robust plans to maintain operational continuity during emergencies.

Catalog Pricing for Products & Services:

Responding Offerors are requested to submit a proposal that will contain a schedule of products and / or service lines that would qualify under Section 5.0 of these specifications. This schedule is commonly referred to as a "catalog".

Catalogs contain a range of items that are published in either an electronic or hard copy form and are modified from time to time to reflect internal and external changes in the vendor's marketplace. It is at the vendor's discretion to propose any limitations of the goods or services offered. A good or service offered must be listed in the catalog to be eligible for sale through the awarded contract.

Catalogs are to be submitted with the proposal and may be provided electronically using either a PDF document or web link. Use a spreadsheet or a searchable document containing the pricing information. A physically delivered hard copy of the catalog is NOT acceptable.

Catalogs may be priced with a percentage discount or a fixed unit price. Pricing may be one or multiple tiers of varying discounts based on purchase quantity. The discount should be applicable to both the initial purchase and any subsequent orders under the terms of this agreement.

The Respondent should clearly outline:

- 1. The percentage discount off the catalog list price for each category of products and / or services.
- 2. Any pricing tiers or volume-based discount thresholds.

Refer to Exhibit 1 – Proposal Price Excel Worksheet Attachment for completion.

EXHIBIT 2: SAMPLE MARKET BASKET FORM

This form will be utilized to assess each Respondent's 'best value' beyond simple percentage discounts and will play a key role in scoring your proposed pricing.

Please refer to Exhibit 2: Sample Market Basket Form Attachment for completion.

Proposing	Texas Service Area Designation or Identification								
Firm Name:									
Notes:	Indicate in the appropriate box whether you are proposing to service the entire state of Texas								
	Will service the entire state of	Texas Will not service the entire	state of Texas						
	that you are proposing to pro	ervice the entire state of Texas, designate on ovide goods and/or services to. By designati illing and able to provide the proposed good	ing a region or regions, you						
Item	Region	Metropolitan Statistical Areas	Designated Service Area						
1.	North Central Texas	16 counties in the Dallas-Fort Worth Metropolitan area							
2.	High Plains	Amarillo Lubbock							
3.	Northwest	Abilene Wichita Falls							
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler							
5.	Southeast	Beaumont-Port Arthur							
6.	Gulf Coast	Houston-The Woodlands- Sugar Land							
7.	Central Texas	College Station-Bryan Killeen-Temple Waco							
8.	Capital Texas	Austin-Round Rock							
9.	Alamo	San Antonio-New Braunfels Victoria							
10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission							
11.	West Texas	Midland Odessa San Angelo							
12.	Upper Rio Grande	El Paso							

(Exhibit 3 continued on next page)

	Nation	wide Service Area D	esignation or Identification I	Form
Proposing Firm Name:				
Notes:			are proposing to provide service to all	Fifty (50) States.
	Will service all fifty	v (50) states	Will not service fifty (50) states	
	that you will provi willing and able to If you are only pro	ide service to. By designat provide the proposed good	(50) states, then designate on the forn ting a state or states, you are certify ds and services in those states. c region, metropolitan statistical are oriate column box.	ring that you are
Item	State	R	egion/MSA/City	Designated
			roposing to service entire state)	as a Service Area
1.	Alabama			
2.	Alaska			
3.	Arizona			
4.	Arkansas			
5.	California			
6.	Colorado			
7.	Connecticut			
8.	Delaware			
9.	Florida			
10.	Georgia			
11.	Hawaii			
12.	Idaho			
13.	Illinois			
14.	Indiana			
15.	Iowa			
16.	Kansas			
17.	Kentucky			
18.	Louisiana			
19.	Maine			
20.	Maryland			

21.	Massachusetts	No
22.	Michigan	No
23.	Minnesota	No
24.	Mississippi	No
25.	Missouri	No
26.	Montana	No
27.	Nebraska	No
28.	Nevada	No
29.	New Hampshire	No
30.	New Jersey	No
31.	New Mexico	No
32.	New York	No
33.	North Carolina	No
34.	North Dakota	No
35.	Ohio	No
36.	Oregon	No
37.	Oklahoma	No
38.	Pennsylvania	No
39.	Rhode Island	No
40.	South Carolina	
41.	South Dakota	No No
42.	Tennessee	No
43.	Texas	Yes
44.	Utah	No
45.	Vermont	No
46.	Virginia	No
47.	Washington	No
48.	West Virginia	No
49.	Wisconsin	
50.	Wyoming	No No

End of Exhibit 3

Category 1 - Equipmen	t, Products, and Suppli	es
	% Discount	Notes/Comments
Description	off Catalog	Notes/Comments
Water Utility Meters and Controllers	35-50%	Depending on Size of Meter
Water Utility Meter Software Management and Electronic Monitoring	10-40%	
Automated Water Meter Reading Systems	35-50%	
Interactive Customer Engagement Portal	10%	
Other (please specify):		
Category 2 - Installat	ion and Repair Services	6
	% Discount	Notes/Comments
Description	off Catalog	Notes/Comments
Hourly Labor Rate for Installation/Repair Service of Water Utlity Meter and Products	10-30%	Depends on Size of Meter
Other (please specify):		
Category 3 - Pro	fessional Services	
Description	% Discount Catalog	Notes/Comments
Billing System Integration	20-40%	Prices Provided in Pricing Schedule
Onsite Training	20-40%	Prices Provided in Pricing Schedule
Project Management	20-40%	Prices Provided in Pricing Schedule
Propagation Study	20-40%	Prices Provided in Pricing Schedule
Software Hosting, Maintenance, and Support	20-40%	Prices Provided in Pricing Schedule
Technical Support	20-40%	Prices Provided in Pricing Schedule
Other (please specify):	20-40%	Prices Provided in Pricing Schedule
Category 4 - Ancillary	Goods and/or Service	s
Description	% Discount	Notes/Comments
Description Automatic Shut off Values	Catalog	Pricing avilable per Pequet
Automatic Shut-off Valves	30%	Pricing avilable per Request Pricing avilable per Request
Sewer Monitors Pressure and Transiant Monitors	25%	
riessure and fransiant Monitors	25%	Pricing avilable per Request
		1

				AMI Solution		
I. Pricing for Register Replacement Only						
			% Discount	Unit List Price		
Meter Size - Multi-jet	Quantity	Unit List Price	off List	After Discount	Total w/Discount	Notes/Comments
5/8"	1,682	\$482.14	47%	\$255.53	. ,	Registers Can Be Used for Master Meter/Badger/Neptune
nstallation 5/8"	1,682	\$180.00	60%	\$72.00	\$121,104.00	
3/4"	1	\$482.14	47%	\$255.53		Registers Can Be Used for Master Meter/Badger/Neptune
nstallation 3/4"	1	\$180.00	60%	\$72.00	\$72.00	
1"	2,124	\$482.14	47%	\$255.53		Registers Can Be Used for Master Meter/Badger/Neptune
nstallation 1"	2,124	\$180.00	60%	\$72.00	\$152,928.00	
1.5"	5	\$482.14	47%	\$255.53		Registers Can Be Used for Master Meter/Badger/Neptune
nstallation 1.5"	5	\$180.00	60%	\$72.00	\$360.00	
2"	164	\$482.14	47%	\$255.53	. ,	Used for Mult-Jet Meters Not Solid State Meters
ntsallation 2"	164	\$180.00	60%	\$72.00	\$11,808.00	
3"	13	\$482.14	47%	\$255.53		Used for Mult-Jet Meters Not Solid State Meters
ntsallation 3"	13	\$180.00	60%	\$72.00	\$936.00	
1"	11	\$482.14	47%	\$255.53	. ,	Used for Mult-Jet Meters Not Solid State Meters
Installation 4"	11	\$180.00	60%	\$72.00	\$792.00	
6"	2	\$482.14	47%	\$255.53		Used for Mult-Jet Meters Not Solid State Meters
nstallation 6"	2	\$180.00	60%	\$72.00	\$144.00	
State Meter Manufacturer: All Master Meter	r Products					
				Total	\$1,310,791.87	
2. Pricing for Complete Meter Change Out						
			% Discount			
Neter Size - Multi-jet	Quantity	Unit List Price	off List	Total Price	Total w/Discount	Notes/Comments
5/8"	1,682	\$581.62	50%	\$290.81	\$489,142.42	
Installation 5/8"	1,682	\$180.00	40%	\$108.00	\$181,656.00	
					6222.00	
3/4"	1	\$621.79	47%	\$332.66	\$332.66	
3/4" Installation 3/4"	1	\$180.00	40%	\$108.00	\$108.00	
Installation 3/4" 1"	1 2,124	\$180.00 \$788.23	40% 46%	\$108.00 \$425.64	\$108.00 \$904,068.28	
nstallation 3/4" 1" Installation 1"	1 2,124 2,124	\$180.00 \$788.23 \$200.00	40% 46% 40%	\$108.00	\$108.00	
	1 2,124 2,124 5	\$180.00 \$788.23 \$200.00 \$1,345.70	40% 46% 40% 47%	\$108.00 \$425.64 \$120.00 \$713.22	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11	
Installation 3/4" 1" Installation 1"	1 2,124 2,124	\$180.00 \$788.23 \$200.00	40% 46% 40%	\$108.00 \$425.64 \$120.00	\$108.00 \$904,068.28 \$254,880.00	
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2"	1 2,124 2,124 5 5 5 164	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16	40% 46% 40% 47% 40% 47%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99	Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5"	1 2,124 2,124 5 5 5 164 164	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00	40% 46% 40% 47% 40% 47% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00	
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2"	1 2,124 2,124 5 5 164 164 13	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96	40% 46% 40% 47% 40% 47% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2"	1 2,124 2,124 5 5 164 164 13 13	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00	40% 46% 40% 47% 40% 47% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00	Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2" Installation 1.5" 3"	1 2,124 2,124 5 5 164 164 13	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96	40% 46% 40% 47% 40% 47% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00	
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2" Installation 1.5" 3"	1 2,124 2,124 5 5 164 164 13 13	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00	40% 46% 40% 47% 40% 47% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00	Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2" Installation 1.5" 3" Installation 3" 4"	1 2,124 2,124 5 5 164 164 13 13 13 11	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38	40% 46% 40% 47% 40% 47% 40% 35% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00	Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6" Installation 6"	$\begin{array}{c c} & 1 \\ & 2,124 \\ & 2,124 \\ & 5 \\ & 5 \\ & 5 \\ & 164 \\ & 164 \\ & 13 \\ & 11 \\ & 11 \\ & 11 \\ & 2 \\ & 2 \\ & 2 \end{array}$	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00	40% 46% 40% 47% 40% 47% 40% 35% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$33,220.47 \$29,700.00 \$11,243.02	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6"	$\begin{array}{c c} & 1 \\ & 2,124 \\ & 2,124 \\ & 5 \\ & 5 \\ & 5 \\ & 164 \\ & 164 \\ & 13 \\ & 11 \\ & 11 \\ & 11 \\ & 2 \\ & 2 \\ & 2 \end{array}$	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48	40% 46% 40% 47% 40% 47% 40% 35% 40% 35% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$33,220.47 \$29,700.00 \$11,243.02	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6" Installation 6"	$\begin{array}{c c} & 1 \\ & 2,124 \\ & 2,124 \\ & 5 \\ & 5 \\ & 5 \\ & 164 \\ & 164 \\ & 13 \\ & 11 \\ & 11 \\ & 11 \\ & 2 \\ & 2 \\ & 2 \end{array}$	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48	40% 46% 40% 47% 40% 47% 40% 35% 40% 35% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$33,220.47 \$29,700.00 \$11,243.02	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 5" Installation 6"	$\begin{array}{c c} & 1 \\ & 2,124 \\ & 2,124 \\ & 5 \\ & 5 \\ & 5 \\ & 164 \\ & 164 \\ & 13 \\ & 11 \\ & 11 \\ & 11 \\ & 2 \\ & 2 \\ & 2 \end{array}$	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48	40% 46% 40% 47% 40% 47% 40% 35% 40% 35% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00 \$11,243.02 \$5,400.00	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Instalation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 5" Installation 6" State Meter Manufacturer: All Master Meter	$\begin{array}{c c} & 1 \\ & 2,124 \\ & 2,124 \\ & 5 \\ & 5 \\ & 5 \\ & 164 \\ & 164 \\ & 13 \\ & 11 \\ & 11 \\ & 11 \\ & 2 \\ & 2 \\ & 2 \end{array}$	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48	40% 46% 40% 47% 40% 47% 40% 35% 40% 35% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00 \$11,243.02 \$5,400.00	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6" Installation 6"	$\begin{array}{c c} & 1 \\ & 2,124 \\ & 2,124 \\ & 5 \\ & 5 \\ & 5 \\ & 164 \\ & 164 \\ & 13 \\ & 11 \\ & 11 \\ & 11 \\ & 2 \\ & 2 \\ & 2 \end{array}$	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48	40% 46% 40% 47% 40% 47% 40% 35% 40% 35% 40% 35%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00 \$11,243.02 \$5,400.00	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6" Installation 6" State Meter Manufacturer: All Master Meter	$\begin{array}{c c} & 1 \\ & 2,124 \\ & 2,124 \\ & 5 \\ & 5 \\ & 5 \\ & 164 \\ & 164 \\ & 13 \\ & 11 \\ & 11 \\ & 11 \\ & 2 \\ & 2 \\ & 2 \end{array}$	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48	40% 46% 40% 47% 40% 35% 40% 35% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00 \$11,243.02 \$5,400.00	Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6" Installation 6" State Meter Manufacturer: All Master Meter 3. Infrastructure and Collection Points	1 2,124 2,124 5 5 164 164 13 13 11 11 2 2 r Products	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48 \$4,500.00	40% 46% 40% 47% 40% 35% 40% 35% 40% 35% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00 Total	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00 \$11,243.02 \$5,400.00 \$2,233,631.30 Total w/Discount	Solid State Octave Master Meter Solid State Octave Master Meter Solid State Octave Master Meter
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6" Installation 6" State Meter Manufacturer: All Master Meter 3. Infrastructure and Collection Points Description	1 2,124 2,124 5 164 163 13 11 2 2 r Products	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48 \$4,500.00	40% 46% 40% 47% 40% 35% 40% 35% 40% 35% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00 Total	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00 \$11,243.02 \$5,400.00 \$ \$2,233,631.30 Total w/Discount \$119,394.00	Solid State Octave Master Meter Solid State Octave Master Meter Solid State Octave Master Meter Notes/Comments
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 5" Installation 6" State Meter Manufacturer: All Master Meter 3. Infrastructure and Collection Points Description Towers/Repeaters Maintenance Contract (per year)	1 2,124 2,124 5 164 163 13 11 2 2 r Products	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48 \$4,500.00 Unit List Price \$74,621.25 \$25,000.00	40% 46% 40% 47% 40% 35% 40% 35% 40% 35% 40% 35% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00 Total Total Price \$59,697.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$39,220.47 \$29,700.00 \$11,243.02 \$5,400.00 \$ \$2,233,631.30 Total w/Discount \$119,394.00	Solid State Octave Master Meter Solid State Octave Master Meter Solid State Octave Master Meter Notes/Comments Tower Only/Includes Installation on Utilty Provided Site
Installation 3/4" 1" Installation 1" 1.5" Installation 1.5" 2" Installation 1.5" 3" Installation 3" 4" Installation 4" 6" Installation 6" State Meter Manufacturer: All Master Meter 3. Infrastructure and Collection Points Description Towers/Repeaters	1 2,124 2,124 5 164 163 11 11 2 2 r Products	\$180.00 \$788.23 \$200.00 \$1,345.70 \$600.00 \$1,949.16 \$900.00 \$4,145.96 \$2,500.00 \$5,485.38 \$4,500.00 \$8,648.48 \$4,500.00 Unit List Price \$74,621.25	40% 46% 40% 47% 40% 35% 40% 35% 40% 35% 40% 35% 40% 35% 40%	\$108.00 \$425.64 \$120.00 \$713.22 \$360.00 \$1,033.05 \$540.00 \$2,694.87 \$1,500.00 \$3,565.50 \$2,700.00 \$5,621.51 \$2,700.00 Total Total Price \$59,697.00	\$108.00 \$904,068.28 \$254,880.00 \$3,566.11 \$1,800.00 \$169,420.99 \$88,560.00 \$35,033.36 \$19,500.00 \$33,220.47 \$29,700.00 \$11,243.02 \$5,400.00 \$2,233,631.30 Total w/Discount \$119,394.00 \$7,500.00 \$0.00	Solid State Octave Master Meter Solid State Octave Master Meter Solid State Octave Master Meter Notes/Comments Tower Only/Includes Installation on Utilty Provided Site

4. Hosting, Maintenance, and Support (5-Year Co	ost)					
			% Discount			
Description	Quantity	Unit List Price	off List	Total Price	Total w/Discount	Notes/Comments
losting	1	\$5.00	60%	\$2.00	\$2.00	Per Meter Per Year/ Based on Number of Meters Being Read Through System
Maintenance and Support	1	\$15,000.00	50%	\$7,500.00	\$7,500.00	Annual Maintenace Billed on Original Date of Software Training
Other (please specify):		\$0.00	0%	\$0.00	\$0.00	
5. Warranty Costs				Total	\$2,530,321.30	
			% Discount			
Description	Quantity	Unit List Price	off List	Total Price	Total w/Discount	Notes/Comments
20-Year Warranty on Meter Bodies	1	\$0.00	0%	\$0.00		No Charge of Warranyt of Meter Bodies
10-Year Warranty on Meter Registers	1	\$0.00	0%	\$0.00		No Charge of Warranyt of Meter Registers
Other (please specify):		\$0.00	0%	\$0.00	\$0.00	
				Total	\$2,537,823.30	
6. Software and Application Costs						
			% Discount			
Description	Quantity	Unit List Price	off List	Total Price	Total w/Discount	Notes/Comments
System Software	1	\$29,328.75	40%	\$17,597.25	\$17,597.25	
Mobile Application	1	\$11,286.00	10%	\$10,157.40	\$10,157.40	Customer Portal
Other (please specify):Mobile Reading Receiver	1	\$3,650.00	15%	\$3,102.50	\$3,102.50	Field Communcations tool
				Total	\$2,565,577.95	
7. Training and Propagation Study						
			% Discount			
Description	Quantity	Unit List Price	off List	Total Price	Total w/Discount	Notes/Comments
Onsite Training (14 people)	1	\$16,038.00	50%	\$8,019.00	\$8,019.00	Three Days Training Provided with Additional On-Line Training
Propagation Study	1	\$0.00	0%	\$0.00	\$0.00	No Charge for Propagation Study
Other (please specify):		\$0.00	0%	\$0.00	\$0.00	
		· · · ·		Total	\$2,604,454.10	
8. Implementation Costs					<i>,,</i>	
- p		Unit List Price	% Discount			
Description	State Quantity	(Hourly Rate)	off List	Total Price	Total w/Discount	Notes/Comments
Project Management	1	\$75,000.00	30%	\$22,500.00		
System Integration	1	\$15,444.00	40%	\$6,177.60		
nstallation Services	-	\$0.00	0%	\$0.00		
Data Management and Analytics		\$0.00	0%	\$0.00		
Cybersecurity Measures		\$0.00	0%	\$0.00	1	
Other (please specify):		\$0.00	0%	\$0.00		
Subtotal		Ş0.00	0/0	Ş0.00	\$19,924,898.06	

Conditions:

- 2. Service area covers 9 square miles
- 3. Customer estimates 6,000 meters at build out
- 4. Proposed system must function as both an AMI system and AMR drive by system
- 5. Customer desires initial 6-month pilot program providing AMI service to 1 subdivision with approximately 145 meters.
- 6. All infrastructure and collection points must be located on Customer owned Property (towers/repeaters)
- 7. Offeror must have a 20-year warranty on all meter bodies and a 10-year warranty on all meter registers for accuracy and battery life with replacement at no additional charge to the Customer for the first 10 ye
- 8. System software must be capable of providing individual account reports, leak detection, tamper alarms, and reverse flow alarms.
- 9. Customer's current water billing software is Tyler Incode®
- 10. System ability to transfer multiple readings per day
- 11. End point initial transmission point is the register (no exterior transfer points such as antennae)
- 12. All data transfer must be two-way communication
- 13. Must provide a downloadable mobile application for customer use which should include the following:
 - a. Daily, monthly, and historical usage volumes

b. Leak alerts

c. High consumption alerts

d. Data provided must be viewable as a graph with numerical values attached

14. Must provide progagation study for staff review.

15. Must provide onsite training for a minimum of 14 members (software, technical issues in the field)

*Note: All quantities listed are estimates and are subject to change by Customer.

ITEM NO.	ITEM DESCRIPTION		
1	Offeror has been in business and provided meter services in the USA for a minimum of 15 years	7	Yes
2	Offeror provides a 20-year warranty on all meter bodies and a 10-year warranty on all meter registers for accuracy and battery life with replacement at no additional charge to the Customer for the first 10 years.	V	Yes
3	Software has the capability of providing individual account reports, leak detection, tamper alarms, and reverse flow alarms.		Yes
4	System software is compatible with Customer's current water billing software, Tyler Incode®.		Yes
5	System has the ability to transfer multiple readings per day.		Yes
6	Offeror has a downloadable mobile application for customer use that inludes the functionality listed in the conditions above.	V	Yes
7	Offer has the ability to provide the desired 6-month pilot program providing AMI services to 1 subdivision with approximately 145 meters.	V	Yes
8	Offeror attached Exhibit 1 - Proposal Price Worksheet with Proposal Package.	V	Yes
9	Specify all billing software systems that your system software is proven to be compatible with: All Major Billing Compaies including but not limit to: Tyler I Harris, RVS	ncode, RVS	s, ARV, HTS
10	Respondent Notes:		

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flowIQ® 2200, flowIQ® 3200 and flowIQ® 4200 Encoded Output pricing

flowIQ® 2200 Encoded Output

flowIQ® 2200 ultrasonic cold water meter, with encoded/TRPL output and 2 x A-cell battery, AWWA C715-18

Туре No.			List Price - CA\$	List Price - US\$
02-K-41-A-1-8A-8-UB	flowIQ® 2200 25 GPM %" x ½" x 7½" (¾" thread)	Composite	257.78	219.00
02-K-41-A-1-8C-8-UB	flowIQ® 2200 32 GPM ¾" x 7½" or 9" (1" thread)	Composite	282.5	240.00
02-K-41-A-1-8B-8-UB	flowIQ® 2200 25 GPM %" x ¾" x 7½" (1" thread)	Composite	257.78	219.00
02-K-41-A-1-8R-8-UB	flowIQ [®] 2200 25 GPM %" x ¾" x 5.1" (1" thread)	Composite	257.78	219.00
02-L-41-A-1-8B-8-UB	flowIQ® 2200 25 GPM %" x ¾" x 7½" (1" thread)	Stainless steel	500.26	425.00
02-L-41-A-1-8N-8-UB	flowIQ® 2200 35 GPM ¾" x 7½" (1" thread)	Stainless steel	500.26	425.00
02-L-41-A-1-8L-8-UB	flowIQ® 2200 35 GPM ¾" x ¾" x 9" (1" thread)	Stainless steel	512.03	435.00
02-L-41-A-1-8D-8-UB	flowIQ® 2200 55 GPM 1" x 10¾" (1¾" thread)	Stainless steel	588.54	500.00

flowIQ[®] 3200 Encoded Output

flowIQ® 3200 ultrasonic cold water meter, with encoded/TRPL output and 2 x A-cell battery, AWWA C715-18

Type No.			List Price - CA\$	List Price - US\$
02-L-41-A-1-8F-8-UB	flowIQ® 3200 120 GPM 1½" (fl) x 13"	Stainless steel	1.347.76	1,145.00
02-L-41-A-1-8H-8-UB	flowIQ® 3200 160 GPM 2" (fl) x 17"	Stainless steel	1.642.03	1,394.00
02-L-41-A-1-8M-8-UB	flowIQ® 3200 160 GPM 2" (fl) x 15¼"	Stainless steel	1.836.25	1,560.00
02-L-41-A-1-8K-8-UB	flowIQ [®] 3200 350 GPM 3" (fl) x 12"	Stainless steel	2.583.70	2,195.00
02-L-41-A-1-8P-8-UB	flowIQ [®] 3200 700 GPM 4" (fl) x 14"	Stainless steel	3.054.53	2,595.00

flowIQ® 4200 Encoded Output

flowIQ® 3200 ultrasonic cold water meter, with encoded/TRPL output and 2 x D-cell battery, AWWA C715-18

Туре No.			List Price - CA\$	List Price - US\$
02-E-41-G-1-FR-8-UB	flowIQ® 4200 6" (1600GPM); 11.9"	Stainless steel	6.179.69	5,250.00
02-E-41-G-1-GA-8-UB	flowIQ® 4200 8" (2800GPM); 13.8"	Stainless steel	9.828.65	8,350.00
02-E-41-G-1-GJ-8-UB	flowIQ® 4200 10" (4500GPM); 17.75"	Stainless steel	11.653.13	9,900.00
02-E-41-G-1-GS-8-UB	flowIQ [®] 4200 12" (5500GPM); 19.7"	Stainless steel	13.477.60	11,450.00

Price list

WATER

2024 | Gross prices | USD

Kamstrup Water Metering, LLC 245 Hembree Park Drive, Ste. 110 Roswell, GA 300086, USA ♥ +1(404)835-6716 @ info-us@kamstrup.com • kamstrup.com/en-us

We reserve the right at any time to correct any errors in pricing.

kamstrup

V2024.2

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Water Meters

flowIQ[®] 2200 (Acoustic Leak Detection & RF)

flowIQ® 2200 ultrasonic residential water meter with an integrated acoustic leak sensor

Available with RF (3-channel 915MHz) and RF (450-470MHZ). To be ordered in combination with Leak Detector software.

Type No.			List Pice - USD
02-K-02-D-1-8A-8-UB	flowIQ® 2200 25 GPM %" x ½" x 7½" (¾" thread)	Composite	415.00
02-K-02-D-1-8C-8-UB	flowIQ [®] 2200 32 GPM ¾" x 7½" or 9" (1" thread)	Composite	465.00
02-K-02-D-1-8B-8-UB	flowIQ [®] 2200 25 GPM ¾" x ¾" x 7½" (1" thread)	Composite	425.00
02-K-02-D-1-8R-8-UB	flowIQ [®] 2200 25 GPM ¾" x ¾" x 5.1" (1" thread)	Composite	445.00
02-L-02-D-1-8B-8-UB	flowIQ [®] 2200 25 GPM ¾" x ¾" x 7½" (1" thread)	Stainless Steel	500.00
02-L-02-D-1-8N-8-UB	flowIQ [®] 2200 35 GPM ¾" x 7½" (1" thread)	Stainless Steel	500.00
02-L-02-D-1-8L-8-UB	flowIQ [®] 2200 35 GPM ¾" x ¾" x 9" (1" thread)	Stainless Steel	545.00
02-L-02-D-1-8D-8-UB	flowIQ [®] 2200 55 GPM 1" x 10¾" (1¾" thread)	Stainless Steel	585.00

Additional features for flowIQ® 2200 RF

турстко.		
02-X-XX-D-1-XX-9RW	Reclaimed Water	25.00

Accessories for flowIQ[®] 2200 RF

Type No.			List Pice - USD
31-30-137	EPDM gaskets for ¾" x ½" meter	3 pcs.	2.75
31-30-260	EPDM gaskets for 5/8" x 3/4" & 3/4"	3 pcs.	4.10
31-30-253	Fiber gasket for 1" threaded	2 pcs.	4.20
30-26-689	Extension - 1" - 3/4" x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - 3/4" x 1.2 incl. two gaskets	2 pcs.	34.00
59-15-398	Extension - 1" - 1 $\frac{1}{2}$ " x 1.5" incl. gasket	1 pc.	25.00
66-99-490	US Wall Antenna, 6.6 ft cable, AMR/AMI connection *	1 pc.	124.00
66-99-491	US Wall Antenna, 65.6 ft cable, AMR/AMI connection *	1 pc.	317.00
66-97-914	US Pit Antenna 5", 6.6 ft cable, AMR/AMI connection *	1 pc.	77.00
66-97-915	US Pit Antenna 5", 24.6 ft cable, AMR/AMI connection *	1 pc.	101.00
66-97-916	US Pit Antenna 5", 2.0 ft cable, AMR/AMI connection *	1 pc.	73.00
65-56-565	Accessory kit for wall and pit antennas (AMI cover, AMI adapter, seal) **	1 pc.	5.50
65-56-564	Spare part stubby antenna RF with lock pins***	1 pc.	14.00
65-56-574	flowIQ [®] 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-673	Lid KWM2220/3220/KWM4220 Reclaimed Water	10 pcs.	26.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
65-56-517	Check valve for %" x ½" meter	1 pc.	9.60
65-56-516	Check valve for %" x ¾" & ¾" meter	1 pc.	9.60
66-99-479	Mounting tool for check valve	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

* Must be ordered together with 65-56-565 ** Must be ordered together with 66-99-490, 66-99-491, 66-97-914, 66-97-915 and 66-97-916

*** Included in standard configuration of flowIQ® 2200 water meter

ice - USD

flowIQ[®] 3200 (RF)

flowIQ® 3200 ultrasonic district water meter

Available with RF (3-channel 915MHz) and RF (450-470MHZ).

Type No.			List Pice - USD
02-L-02-D-1-8F-8-UB	flowIQ 3200 120 GPM 1½" (fl) x 13"	Stainless Steel	1,300.00
02-L-02-D-1-8H-8-UB	flowIQ 3200 160 GPM 2" (fl) x 17"	Stainless Steel	1,510.00
02-L-02-D-1-8M-8-UB	flowIQ 3200 160 GPM 2" (fl) x 15 ¼"	Stainless Steel	1,670.00
02-L-02-D-1-8K-8-UB	flowIQ 3200 350 GPM 3" (fl) x 12"	Stainless Steel	2,500.00
02-L-02-D-1-8P-8-UB	flowIQ 3200 700 GPM 4" (fl) x 14"	Stainless Steel	2,920.00

Additional features for flowIQ® 3200 RF

Type No.		List Pice - USD
02-X-XX-D-1-XX-9RW	Reclaimed Water	35.00

Accessories for flowIQ[®] 3200 RF

Type No.			List Pice - USD
31-30-263	Fiber gasket for 1½" flanged $*$	1 pc.	14.00
31-30-143	Fiber gasket for 2" flanged *	1 pc.	18.00
22-10-239	Fiber gasket for 3" flanged *	1 pc.	23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts*	1 pc.	25.00
66-99-490	US Wall Antenna, 6.6 ft cable, AMR/AMI connection **	1 pc.	124.00
66-99-491	US Wall Antenna, 65.6 ft cable, AMR/AMI connection **	1 pc.	317.00
66-97-914	US Pit Antenna 5", 6.6 ft cable, AMR/AMI connection **	1 pc.	77.00
66-97-915	US Pit Antenna 5", 24.6 ft cable, AMR/AMI connection **	1 pc.	101.00
66-97-916	US Pit Antenna 5", 2.0 ft cable, AMR/AMI connection **	1 pc.	73.00
65-56-565	Accessory kit for wall and pit antennas (AMI cover, AMI adapter, seal) ***	1 pc.	5.50
65-56-564	Spare part stubby antenna RF with lock pins****	1 pc.	14.00
65-56-574	flowIQ [®] 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-673	Lid KWM2220/3220/KWM4220 Reclaimed Water	10 pcs.	26.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

* 2 pieces to be ordered ** Must be ordered together with 65-56-565

*** Must be ordered together with 66-99-490, 66-99-491, 66-97-914, 66-97-915 and 66-97-916

**** Included in standard configuration of flowIQ® 3200 water meter

flowIQ[®] 4200 (RF)

flowIQ® 4200 ultrasonic district water meter

Including Split flanges

Type No.			List Pice - USD
02-E-02-G-1-FR-8US	flowIQ4200 1600GPM 6" x 18"	Stainless Steel	6,250.00
02-E-02-G-1-GA-8US	flowIQ4200 2800GPM 8" x 20"	Stainless Steel	8,850.00
02-E-02-G-1-GJ-8US	flowIQ4200 4500GPM 10" x 17.7"	Stainless Steel	10,420.00
02-E-02-G-1-GS-8US	flowIQ4200 5500GPM 12" x 19.7"	Stainless Steel	11,980.00

Accessories for flowIQ® 4200 (RF)

Type No.			List Pice - USD
65-56-574	flowIQ [®] 2200, 3200 and 4200 external connection cover	1 pc.	2.00
21-20-139	Spool piece 6" - 6" x 6.08"	1 pc.	542.00
21-20-140	Spool piece 8" - 8" x 6.12"	1 pc.	762.00
22-10-255	Gasket for 6" flange meters	1 pc.	21.00
22-10-256	Gasket for 8" flange meters	1 pc.	44.50
22-10-257	Gasket for 10" flange meters	1 pc.	51.00
22-10-258	Gasket for 12" flange meters	1 pc.	53.00
66-99-645	Lid KWM2220/3220/4220	1 pc.	61.50
65-56-564	Spare part stubby antenna RF with lock pins***	1 pc.	14.00
30-26-909	Optical eye holder flowIQ [®] 4200	1 pc.	11.20
66-99-821	Battery replacement kit for flowIQ [®] 4200	1 pc.	193.50
21-20-135	Split flange 6"	2 pcs.	284.00
21-20-136	Split flange 8"	2 pcs.	415.00
21-20-137	Split flange 10"	2 pcs.	626.00
21-20-138	Split flange 12"	2 pcs.	789.00

*** Included in standard configuration of flowIQ® 4200 water meter

flowIQ[®] 2200 (Cellular)

flowIQ® 2200 ultrasonic residential water meter with an integrated acoustic leak sensor

To be ordered in combination with Leak Detector software.

Type No.			List Pice - USD
02-K-82-D-1-8A-8-UB	flowIQ [®] 2200 25 GPM ¾" x ½" x 7½" (¾" thread)	Composite	456.50
02-K-82-D-1-8C-8-UB	flowIQ [®] 2200 32 GPM ¾" x 7½" or 9" (1" thread)	Composite	506.50
02-K-82-D-1-8B-8-UB	flowIQ [®] 2200 25 GPM ¾" x ¾" x 7½" (1" thread)	Composite	466.50
02-K-82-D-1-8R-8-UB	flowIQ [®] 2200 25 GPM ¾" x ¾" x 5.1" (1" thread)	Composite	486.50
02-L-82-D-1-8B-8-UB	flowIQ [®] 2200 25 GPM ¾" x ¾" x 7½" (1" thread)	Stainless Steel	541.50
02-L-82-D-1-8N-8-UB	flowIQ [®] 2200 35 GPM ¾" x 7½" (1" thread)	Stainless Steel	541.50
02-L-82-D-1-8L-8-UB	flowIQ [®] 2200 35 GPM ¾" x ¾" x 9" (1" thread)	Stainless Steel	586.50
02-L-82-D-1-8D-8-UB	flowIQ [®] 2200 55 GPM 1" x 10¾" (1¾" thread)	Stainless Steel	626.50

Accessories for flowIQ[®] 2200 Cellular

Type No.			List Pice - USD
31-30-137	EPDM gaskets for %" x ½" meter	3 pcs.	2.75
31-30-260	EPDM gaskets for 1/8" x 3/4" & 3/4"	3 pcs.	4.10
31-30-253	Fiber gasket for 1" threaded	2 pcs.	4.20
30-26-689	Extension - 1" - 3/4" x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - 3/4" x 1.2 incl. two gaskets	2 pcs.	34.00
59-15-398	Extension - 1" - 1½" x 1.5" incl. gasket	1 pc.	25.00
65-56-574	flowIQ [®] 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
65-56-517	Check valve for ¾" x ½" meter	1 pc.	9.60
65-56-516	Check valve for ½" x ¾" & ¾" meter	1 pc.	9.60
66-99-479	Mounting tool for check valve	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
59-20-404	Magnet pen for NB-IoT meter	1 pc.	53.75
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

flowIQ[®] 3200 (Cellular)

flowIQ® 3200 ultrasonic district water meter

Available with RF (3-channel 915MHz) and RF (450-470MHZ).

Type No.			List Pice - USD
02-L-82-D-1-8F-8-UB	flowIQ 3200 120 GPM 1½" (fl) x 13"	Stainless Steel	1,362.50
02-L-82-D-1-8H-8-UB	flowIQ 3200 160 GPM 2" (fl) x 17"	Stainless Steel	1,572.50
02-L-82-D-1-8M-8-UB	flowIQ 3200 160 GPM 2" (fl) x 15 ¼"	Stainless Steel	1,732.50
02-L-82-D-1-8K-8-UB	flowIQ 3200 350 GPM 3" (fl) x 12"	Stainless Steel	2,562.50
02-L-82-D-1-8P-8-UB	flowIQ 3200 700 GPM 4" (fl) x 14"	Stainless Steel	2,982.50

Accessories for flowIQ® 3200 Cellular

Type No.			List Pice - USD
31-30-263	Fiber gasket for 1½" flanged *	1 pc.	14.00
31-30-143	Fiber gasket for 2" flanged *	1 pc.	18.00
22-10-239	Fiber gasket for 3" flanged *	1 pc.	23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts*	1 pc.	25.00
65-56-574	flowIQ [®] 2200, 3200 and 4200 external connection cover	1 pc.	2.00
66-99-645	Lid KWM2220/3220/4220	10 pcs.	61.50
59-20-404	Magnet pen for NB-IoT meter	1 pc.	53.75
65-61-355	Optical holder KWM2220/3220	1 pc.	21.00

flowIQ[®] 2100 & 3101 (AMR)

flowIQ® 2100 ultrasonic cold water meter with Wireless M-Bus at 915 MHz and C-cell battery

Tri-channel enabled by default. Order single channel enabled for use with USB Meter Reader

Type No.			List Price - USD
02U-57-C02-8UX	flowIQ 2100 25 GPM ¾" x ½" x 7½" (¾" thread)	Composite	315.60
02U-57-C04-8UX	flowIQ 2100 25 GPM ¾" x ¾" x 7½" (1" thread)	Composite	315.60
02U-57-C05-8UX	flowIQ 2100 25 GPM 5/8" x 3/4" x 5.1" (1" thread)	Composite	315.60
02U-57-C06-8UX	flowlQ 2100 32 GPM ¾" x 7½" (1" thread)	Composite	342.60

flowIQ® 3101 ultrasonic cold water meter with Wireless M-Bus at 915 MHz and C-cell battery

Type No.			List Pice - USD
03U-57-C0P-8UX	flowIQ 3101 35 GPM ¾" x 7½"	Stainless Steel	469.30
03U-57-C0T-8UX	flowIQ 3101 35 GPM ¾" x 9"	Stainless Steel	499.40
03U-57-C0Q-8UX	flowIQ 3101 55 GPM 1" (th) x 10¾"	Stainless Steel	680.00

Accessories for flowIQ® 2100 (AMR)

Type No.			List Pice - USD
31-30-137	EPDM gaskets for ⅛" x ½" meter	3 pcs.	2.75
31-30-260	EPDM gaskets for 1/2" x 3/4" & 3/4"	3 pcs.	4.10
30-26-689	Extension - 1" - 3/4" x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - 3/4" x 1.2 incl. two gaskets	2 pcs.	34.00
30-26-691	Extension - 1" - 1½" x 1.5"	1 pc.	25.00
59-15-398	Extension - 1" - 1½" x 1.5" incl. gasket	1 pc.	25.00
66-99-478	Lid for wireless meters	10 pcs.	39.75
65-56-517	Check valve for 5/8" x 1/2" meter	1 pc.	9.60
65-56-516	Check valve for 5/8" x 3/4" & 3/4" meter	1 pc.	9.60
66-99-479	Mounting tool for check valve	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
66-97-143	US Pit Antenna I for flowIQ water meter, pit mount 2 m / 6.6 ft cable	1 pc.	41.00
66-97-144	US Pit/Wall Antenna I for flowIQ water meter, pit or wall mount 7.5 m / 24.6 ft cable, includes cover for wall mounting	1 pc.	49.00
66-97-912	US Pit Antenna 5", 6.6 ft cable, inductive coupler	1 pc.	41.00
66-97-913	US Pit Antenna 5", 24.6 ft cable, inductive coupler	1 pc.	58.00
66-97-145	Extender for isolated pit lid, fits Pit Antenna I	5 sets	45.50
66-97-146	Cover for wall mount of external antenna	5 pcs.	59.00
65-61-331	Optical holder flowIQ2100/3101 module 57	1 pcs	21.00

Accessories for flowIQ® 3101 (AMR)

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Type No.			List Pice - USD
31-30-253	Fiber gasket for 1" threaded	2 pcs.	4.20
31-30-263	Fiber gasket for 1½" flanged	2 pcs.	14.00
31-30-143	Fiber gasket for 2" flanged	2 pcs.	18.00
22-10-239	Fiber gasket for 3" flanged	2 pcs.	23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts	1 pc.	25.00
66-99-478	Lid for wireless and AMI meters	10 pcs.	39.75
66-97-143	US Pit Antenna I for flowIQ water meter, pit mount 2 m / 6.6 ft cable	1 pc.	41.00
66-97-144	US Pit/Wall Antenna I for flowIQ water meter, pit or wall mount 7.5 m / 24.6 ft cable, includes cover for wall mounting	1 pc.	49.00
66-97-912	US Pit Antenna 5", 6.6 ft cable, inductive coupler	1 pc.	41.00
66-97-913	US Pit Antenna 5", 24.6 ft cable, inductive coupler	1 pc.	58.00
66-97-145	Extender for isolated pit lid, fits Pit Antenna I	5 sets	45.50
66-97-146	Cover for wall mount of external antenna	5 pcs.	59.00

flowIQ[®] 2100 & 3101 (Encoded Output)

flowIQ® 2100 ultrasonic cold water meter, Type 23, with encoded/TRPL output and C-cell battery, C715-18

Must specify cable type below.

Туре No.			List Pice - USD
02U-23-C01-8EX	flowIQ 2100 25 GPM ¾" x ½" x 7½" (¾" thread)	Composite	219.00
02U-23-C03-8EX	flowIQ 2100 25 GPM ¾" x ¾" x 7½" (1" thread)	Composite	219.00
02U-23-C07-8EX	flowIQ 2100 25 GPM 5/8" x 3/4" x 5.1" (1" thread)	Composite	219.00
02U-23-C08-8EX	flowIQ 2100 32 GPM ¾" x 7½" (1" thread)	Composite	240.00
02U-23-C08-8EX+	flowIQ 2100 32 GPM ¾" x 9" (1" thread)	Composite	264.00

flowIQ® 3101 ultrasonic cold water meter, Type 23, with encoded/TRPL output and C-cell battery, C715-18

Must specify cable type below.

Туре No.			List Pice - USD
03U-23-COR-8EX	flowIQ 3101 35 GPM ¾" (th) x 7½" (190 mm)	Stainless Steel	425.00
03U-23-C0U-8EX	flowIQ 3101 35 GPM ¾" (th) x 9" (228 mm)	Stainless Steel	435.00
03U-23-C0S-8EX	flowIQ 3101 55 GPM 1" (th) x 10¾"	Stainless Steel	500.00
03U-23-C0J-8EX	flowIQ 3101 120 GPM 1½" (fl) x 13"	Stainless Steel	1,145.00
03U-23-C0L-8EX	flowIQ 3101 160 GPM 2" (fl) x 15¼"	Stainless Steel	1,560.00
03U-23-C0K-8EX	flowIQ 3101 160 GPM 2" (fl) x 17"	Stainless Steel	1,395.00
03U-23-COM-8EX	flowIQ 3101 350 GPM 3" (fl) x 12" (350 mm)	Stainless Steel	2,195.00
03U-23-CON-8EX	flowIQ 3101 700 GPM 4" (fl) x 14" (355.5 mm)	Stainless Steel	2,595.00

Type 23 cables

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Type No.			List Pice - USD
9000023	Nicor 5'	1 pc.	28.00
5000558.1	Nicor 5' - Packed with meter	1 pc.	23.50
5000558.2	Nicor 5' - Factory mounted	1 pc.	27.70
9000029	Nicor 25'	1 pc.	43.00
9000022	Itron 5'	1 pc.	53.00
5000557.1	Itron 5' - Packed with meter	1 pc.	43.90
5000557.2	Itron 5' - Factory mounted	1 pc.	51.75
9000028	Itron 25'	1 pc.	72.00
9000019	Flying Lead 5'	1 pc.	14.00
5000549.1	Flying Lead 5' - Packed with meter	1 pc.	12.20
5000549.2	Flying Lead 5' - Factory mounted	1 pc.	14.40
9000020	Flying Lead 25'	1 pc.	37.50
9000021	TRPL 5'	1 pc.	61.00
5000556.1	TRPL 5' - Packed with meter	1 pc.	50.00
5000556.2	TRPL 5' - Factory mounted	1 pc.	59.00
9000030	TRPL 25'	1 pc.	102.00

Accessories for flowIQ[®] 2100 (Encoded Output)

Type No.			List Pice - USD
31-30-137	EPDM gaskets for %" x ½" meter	3 pcs.	2.75
31-30-260	EPDM gaskets for %" x ¾" & ¾"	3 pcs.	4.10
30-26-689	Extension - 1" - 3/4" x 1.2	1 pc.	14.00
59-15-589	Extension - 1" - 3/4" x 1.2 incl. two gaskets	2 pcs.	34.00
30-26-691	Extension - 1" - 1½" x 1.5"	1 pc.	25.00
59-15-398	Extension - 1" - 1½" x 1.5" incl. gasket	1 pc.	25.00
66-99-639	Lid for encoded meters - Type 23 Module meters (replaceable cable)	10 pcs.	56.20
65-56-517	Check valve for %" x ½" meter	1 pc.	9.60
65-56-516	Check valve for %" x ¾" & ¾" meter	1 pc.	9.60
66-99-479	Mounting tool for check valve 5/8" x ½"	1 pc.	89.10
65-56-548	Check valve removal tool	1 pc.	438.50
65-61-354	Optical holder flowIQ2100/3101 module 23 Grey bracket	1 pc.	30.00
9000024	Cable clamp black	1 pc.	0.90
9000014	Flying lead 5', cable clamp and seal	1 pc.	18.00
9000018	Nicor 5', cable clamp and seal	1 pc.	36.00
9000017	Itron 5', cable clamp and seal	1 pc.	60.00
9000016	TRPL 5', cable clamp and seal	1 pc.	72.00
9000015	Flying lead 25' cable clamp and seal	1 pc.	54.00
9000031	Nicor 25' cable clamp and seal	1 pc.	72.00
9000033	Itron 25'cable clamp and seal	1 pc.	90.00
9000032	TRPL 25' cable clamp and seal	1 pc.	120.00

Accessories for flowIQ® 3101 (Encoded Output)

Type No.			List Pice - USD
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31-30-253	Fiber gasket for 1" threaded	2 pcs.	4.20
31-30-263	Fiber gasket for 1½" flanged	2 pcs.	14.00
31-30-143	Fiber gasket for 2" flanged	2 pcs.	18.00
22-10-239	Fiber gasket for 3" flanged	2 pcs.	23.00
22-10-246	Fiber gasket for 4" flanged, 8 bolts	1 pc.	25.00
66-99-639	Lid flowIQ2100/3101 module 23 Grey bracket	10 pcs.	56.20
65-61-354	Optical holder flowIQ2100/3101 module 23 Grey bracket	1 pc.	30.00
9000024	Cable clamp black	1 pc.	0.90
9000014	Flying lead 5', cable clamp and seal	1 pc.	18.00
9000018	Nicor 5', cable clamp and seal	1 pc.	36.00
9000017	Itron 5', cable clamp and seal	1 pc.	60.00
9000016	TRPL 5', cable clamp and seal	1 pc.	72.00
9000015	Flying lead 25' cable clamp and seal	1 pc.	54.00
9000031	Nicor 25' cable clamp and seal	1 pc.	72.00
9000033	Itron 25'cable clamp and seal	1 pc.	90.00
9000032	TRPL 25' cable clamp and seal	1 pc.	120.00

External communication and verification

External communication and verification

External communication

Type No.		List Pice - USD
66-99-023	Pulse adapter, 10 liter/pulse; 2.5 gal/pulse; 0.5 ft³/pulse	201.00

Verification and logging

Type No.		List Pice - USD
66-99-143	Pulse interface for verification (flowIQ [®] 2100 AMR, flowIQ [®] 3101 AMR)	330.50
66-99-099	Infrared optical reading head with USB plug for data acquisition	437.00
65-61-355	Plastic clip to secure the fixation of infrared optical head (flowIQ [®] 2200, flowIQ [®] 3200)	21.00
65-61-331	Plastic clip to secure the fixation of infrared optical head (flowIQ [®] 2100 AMR, flowIQ [®] 3101 AMR)	21.00
65-61-354	Plastic clip to secure the fixation of infrared optical head (flowIQ [®] 2100 EO, flowIQ [®] 3101 EO)	30.00

Test results

Test results

Test certificate

The certificates are sent with the products.

Type No.		USD
5939067	Test certificate for all water meters - fee for each water meter	8.50
Test certificat The certificates a	e by e-mail are sent as PDF documents.	
Туре No.		USD
5939251	Test certificate for cold water meters - fee for each cold water meter	4.30

Test results by e-mail

Type No.		USD
5939079	Test results by e-mail for all water meters - fee for each water meter	0.70

MAG8000

MAG8000

MAG8000 with MODBUS module and cable to READy Gateway (ordered separately). Only supported with READy software. Please specify 4D cell 6 year battery or 115 VAC.

MAG8000 water meter incl. 4D battery

Type No.		List Pice - USD
6584433	Siemens-MAG8000 USA o.l./ 3"	5,138.36
6584434	Siemens-MAG8000 USA o.l./ 4"	5,501.12
6584435	Siemens-MAG8000 USA o.l./ 5"	6,105.76
6584436	Siemens-MAG8000 USA o.l./ 6"	6,710.40
6584437	Siemens-MAG8000 USA o.l./ 8"	7,918.62
6584438	Siemens-MAG8000 USA o.l./ 10"	8,523.25
6584439	Siemens-MAG8000 USA o.l./ 12"	10,336.11
6584440	Siemens-MAG8000 USA o.l./ 14"	13,359.30
6584441	Siemens-MAG8000 USA o.l./ 16"	16,381.32
6584442	Siemens-MAG8000 USA o.l./ 18"	17,589.54
6584443	Siemens-MAG8000 USA o.l./ 20"	20,612.73
6584444	Siemens-MAG8000 USA o.l./ 24"	24,239.50

MAG8000 water meter incl. power supply 115/230 VAC

Туре No.		List Pice - USD
6584478	Siemens-MAG8000 USA o.l./ 3"	4,715.05
6584479	Siemens-MAG8000 USA o.l./ 4"	5,440.68
6584480	Siemens-MAG8000 USA o.l./ 5"	6,045.32
6584481	Siemens-MAG8000 USA o.l./ 6"	6,648.90
6584482	Siemens-MAG8000 USA o.l./ 8"	7,858.17
6584483	Siemens-MAG8000 USA o.l./ 10"	8,462.81
6584484	Siemens-MAG8000 USA o.l./ 12"	10,275.56
6584485	Siemens-MAG8000 USA o.l./ 14"	13,298.75
6584486	Siemens-MAG8000 USA o.l./ 16"	16,319.82
6584487	Siemens-MAG8000 USA o.l./ 18"	17,529.10
6584488	Siemens-MAG8000 USA o.l./ 20"	20,552.28
6584489	Siemens-MAG8000 USA o.l./ 24"	24,177.99

MAG8000 accessories

Туре No.		List Pice - USD
6584521	Grounding ring DN50 / 2"	901.03
6584522	Grounding ring DN65 / 2½ "	1,004.40
6584523	Grounding ring DN80 / 3"	1,004.40
6584524	Grounding ring DN100 / 4"	1,004.40
6584525	Grounding ring DN125 / 2"	1,004.40
6584526	Grounding ring DN50 / 2"	1,004.40
6584527	Grounding ring DN50 / 2"	1,081.24
6584528	Grounding ring DN50 / 2"	1,248.87
6584529	Grounding ring DN50 / 2"	1,423.49
6584500	External battery pack with 4 d-cell	726.41

READy Gateway

READy Gateway is a battery powered radio transmitter for automatic data collection for MAG8000 water meter. 915 Tri channels.

515 m enumers.		
Type No.		List Pice - USD
669656XXXXXXXX	READy Gateway, US, including mounting bracket and quick guides	432.00

Additional configuration options

All prices are net prices

Type No.		USD
P20	Siemens FM Fire Service Approval 2"-4"	286.50
P21	Siemens FM Fire Service Approval 6"-8"	573.00
P22	Siemens FM Fire Service Approval 10"-12"	1,194.00
5M	16.4 ft (5 m) remote cables mounted	243.00
10M	32.8 ft (10 m) remote cables mounted	275.00
20M	65.6 ft (20 m) remote cables mounted	320.00

Additional configuration options - Encoder interface with Sensus protocol

All prices are net prices Type No.

туре но.		030
5FT	Encoder interface cable w/connector for ITRON radio, length 5 ft.	278.00
25FT	Encoder interface cable w/connector for ITRON radio, length 25 ft.	297.00

READy Manager

Software

Initial investment (one-time fee)

Metering	points	AMR		AMI		
Software	≤ 100	6696051	772.00	6696451	1,852.00	USD
Software	≤ 250	6696052	1,312.00	6696452	3,704.00	USD
Software	≤ 800	6696053	1,852.00	6696453	7,716.00	USD
Software	≤ 1,600	6696054	2,746.00	6696454	11,816.00	USD
Software	≤ 2,400	6696055	3,776.00	6696455	14,935.00	USD
Software	≤ 3,200	6696056	4,806.00	6696456	18,768.00	USD
Software	≤ 4,000	6696057	6,007.00	6696457	20,763.00	USD
Software	≤ 5,000	6696058	7,418.00	6696458	25,401.00	USD
Software	≤ 7,500	6696059	11,157.00	6696459	36,902.00	USD
Software	≤ 10,000	6696060	14,590.00	6696460	45,621.00	USD
Software	≤ 15,000	6696061	20,024.00	6696461	60,879.00	USD
Software	≤ 20,000	6696062	21,062.00	6696462	65,777.00	USD
Software	≤ 25,000	6696063	24,546.00	6696463	69,975.00	USD

Prices for more metering points are available on request. Please contact the product manager.

Hosting Subscription

Includes yearly software license, support and hosting agreement (recurrent fee)

Metering point	ts	AMR		AMI		
Hosting Subscription	≤ 100	6696051FH	765.00	6696451FH	1,109.50	USD
Hosting Subscription	≤ 250	6696052FH	1,235.50	6696452FH	1,774.00	USD
Hosting Subscription	≤ 800	6696053FH	1,586.00	6696453FH	2,221.00	USD
Hosting Subscription	≤ 1,600	6696054FH	1,999.00	6696454FH	4,745.00	USD
Hosting Subscription	≤ 2,400	6696055FH	2,440.00	6696455FH	5,744.00	USD
Hosting Subscription	≤ 3,200	6696056FH	2,872.00	6696456FH	6,857.00	USD
Hosting Subscription	≤ 4,000	6696057FH	3,340.00	6696457FH	7,653.00	USD
Hosting Subscription	≤ 5,000	6696058FH	3,843.00	6696458FH	9,062.00	USD
Hosting Subscription	≤ 7,500	6696059FH	5,023.00	6696459FH	11,825.00	USD
Hosting Subscription	≤ 10,000	6696060FH	6,394.00	6696460FH	14,691.00	USD
Hosting Subscription	≤ 15,000	6696061FH	9,641.00	6696461FH	21,472.00	USD
Hosting Subscription	≤ 20,000	6696062FH	12,115.00	6696462FH	29,709.00	USD
Hosting Subscription	≤ 25,000	6696063FH	13,760.00	6696463FH	31,917.00	USD

Prices for more metering points are available on request. Please contact the product manager.

READy Manager, Add-on modules

Additional user

Metering poir	nts	Software (one-tim	e fee)	Yearly Software License	(recurrent fee)	
Additional user	≤ 100	6696201	free	6696201F	298.00	USD
Additional user	≤ 250	6696202	free	6696202F	298.00	USD
Additional user	≤ 800	6696203	free	6696203F	298.00	USD
Additional user	≤ 1,600	6696204	free	6696204F	298.00	USD
Additional user	≤ 2,400	6696205	free	6696205F	298.00	USD
Additional user	≤ 3,200	6696206	free	6696206F	298.00	USD
Additional user	≤ 4,000	6696207	free	6696207F	446.00	USD
Additional user	≤ 5,000	6696208	free	6696208F	446.00	USD
Additional user	≤ 7,500	6696209	free	6696209F	446.00	USD
Additional user	≤ 10,000	6696210	free	6696210F	742.00	USD
Additional user	≤ 15,000	6696211	free	6696211F	742.00	USD
Additional user	≤ 20,000	6696212	free	6696212F	742.00	USD
Additional user	≤ 25,000	6696213	free	6696213F	742.00	USD

Priority meters

Metering points	Software (one-tim	ne fee)	Yearly Software License	(recurrent fee)	
Maximum of 50 meters in priority allowed.	6606201	fraa	6696301F	29.75	
Price per meter in priority.	6696301	free	6696301F	29.75	USD

Notifications

Email or text notification of info codes

Metering po	oints	Software (one-tin	ne fee)	Yearly Software License	(recurrent fee)	
Notifications	≤ 100	6696501	free	6696501F	98.00	USD
Notifications	≤ 250	6696502	free	6696502F	119.00	USD
Notifications	≤ 800	6696503	free	6696503F	139.00	USD
Notifications	≤ 1,600	6696504	free	6696504F	159.00	USD
Notifications	≤ 2,400	6696505	free	6696505F	198.00	USD
Notifications	≤ 3,200	6696506	free	6696506F	318.00	USD
Notifications	≤ 4,000	6696507	free	6696507F	397.00	USD
Notifications	≤ 5,000	6696508	free	6696508F	497.00	USD
Notifications	≤ 7,500	6696509	free	6696509F	597.00	USD
Notifications	≤ 10,000	6696510	free	6696510F	737.00	USD
Notifications	≤ 15,000	6696511	free	6696511F	916.00	USD
Notifications	≤ 20,000	6696512	free	6696512F	1,069.00	USD
Notifications	≤ 25,000	6696513	free	6696513F	1,228.00	USD

Meter Exchange

Metering poin	nts	Software (one-	time fee)	Hosting Subscription*	(recurrent fee)	
Meter Exchange	≤ 100	6696401	208.00	6696401FH	313.20	USD
Meter Exchange	≤ 250	6696402	310.00	6696402FH	376.75	USD
Meter Exchange	≤ 800	6696403	1,036.00	6696403FH	421.75	USD
Meter Exchange	≤ 1,600	6696404	1,658.00	6696404FH	691.50	USD
Meter Exchange	≤ 2,400	6696405	1,762.00	6696405FH	879.00	USD
Meter Exchange	≤ 3,200	6696406	1,968.00	6696406FH	954.00	USD
Meter Exchange	≤ 4,000	6696407	2,175.00	6696407FH	1,012.00	USD
Meter Exchange	≤ 5,000	6696408	2,590.00	6696408FH	1,129.00	USD
Meter Exchange	≤ 7,500	6696409	3,107.00	6696409FH	1,251.00	USD
Meter Exchange	≤ 10,000	6696410	3,729.00	6696410FH	1,487.00	USD
Meter Exchange	≤ 15,000	6696411	4,143.00	6696411FH	1,917.00	USD
Meter Exchange	≤ 20,000	6696412	4,143.00	6696412FH	3,117.00	USD
Meter Exchange	≤ 25,000	6696413	4,143.00	6696413FH	3,239.00	USD

* includes Yearly Software License and support for hosted solution

API Access

Metering p	oints	Software (one-	time fee)	Hosting Subscription*	(recurrent fee)	
API Access	≤ 800	6696701	1,545.00	6696701FH	1,294.00	USD
API Access	≤ 3,200	6696702	3,087.00	6696702FH	2,077.00	USD
API Access	≤ 7,500	6696703	4,632.00	6696703FH	3,118.00	USD
API Access	≤ 20,000	6696704	6,793.00	6696704FH	4,571.00	USD

* includes Yearly Software License and hosting

Network monitoring, Add-on

Network monitoring provides a overview of meter reading data for you to easily see where data collection have issues. The prices consist of yearly software license and a support agreement and will be invoiced on a yearly basis. Network monitoring is compatible with fixed network and NB-IoT. Purchase of API access is mandatory for network monitoring.

A	and a second s	In O. D
As a first time user,	, please remember to order (Jp & Running for network monitoring.

	Metering Points	Support agreement* (recurrent fee)	
Network monitoring	≤ 100	331.00	USD
Network monitoring	≤ 250	563.00	USD
Network monitoring	≤ 800	1,105.00	USD
Network monitoring	≤ 1,600	1,672.00	USD
Network monitoring	≤ 2,400	2,018.00	USD
Network monitoring	≤ 3,200	2,505.00	USD
Network monitoring	≤ 4,000	2,929.00	USD
Network monitoring	≤ 5,000	3,428.00	USD
Network monitoring	≤ 7,500	4,776.00	USD
Network monitoring	≤ 10,000	6,039.00	USD
Network monitoring	≤ 15,000	8,666.00	USD
Network monitoring	≤ 20,000	10,863.00	USD
Network monitoring	≤ 25,000	12,870.00	USD
Network monitoring	≤ 30,000	15,023.00	USD
Network monitoring	≤ 35,000	17,219.00	USD
Network monitoring	≤ 40,000	19,392.00	USD
Network monitoring	≤ 45,000	21,482.00	USD
Network monitoring	≤ 50,000	23,562.00	USD
Network monitoring	≤ 60,000	27,718.00	USD
Network monitoring	≤ 70,000	30,902.00	USD
Network monitoring	≤ 80,000	33,802.00	USD
Network monitoring	≤ 90,000	36,435.00	USD
Network monitoring	≤ 100,000	38,819.00	USD

Network monitoring, Add-on - Up & Running

Start-up price for network monitoring or when needed to be on boarded on network monitoring. Price includes set-up of network monitoring with data flow from READy using READy API, configuration of network monitoring and 3 on boarding meetings to give a "guided tour" in network monitoring to get familiar with the solutions. The 3 on boarding meetings will ensure users know how to operate network monitoring and provide guidance on how to connect network monitoring with data collection issues in the water distribution network.

Type No.			
66961400W	Up & Running with Network Monitoring	1,083.00	USD

READy Hardware

READy Hardware

READy Converter

Type No.		List Price - USD
669640000	READy Converter, US, basic 1 x READy 3 channel Converter including whip antenna, 1 x 110 VAC wall adapter, 1 x micro-USB cable, 1 x quick guide	1,546.00
66964000.2	READy Converter, US, advanced 2 x READy 3 channel converter built into a sturdy flightcase including 2 whip antennas, 2 x 110 VAC wall adapters, 2 x micro-USB cables, 2 x external antennas, 2 x mobile holders and a quick guide	3,094.50

Accessories for READy Converter

Type No.		Lis	Price - USD
5005001	Antenna whip, US		181.70
6696010	Magnetic roof antenna, US		286.40
6696025	Mobile holder		71.20

READy Collector set

Туре No.				List Price - USD
READy Collector Set	Kamstrup AMI RF Collector*			14,233.00
* Standard set includes R	EADy collector top & base with modem, 2 pcs. AMI antenna, 2 pcs. 6.5' cable b	oetween REA	Dy Collector top	
and AMI antennas, Ether	net cable to READy collector from top to base, 200' Power cable between colle	ector top and	l base, bracket	
for READy collector top, a	dapter plate for READy top collector, antenna beam 39", bracket for antenna	beam, Sierra	Wireless RV50	
LTE Gateway; other confi	gurations on request			

Accessories for READy Collector

Type No.		List Price - USD
5915575	2 m/6 ft Power & Ethernet cables supply kit	185.00
5915576	15 m/50 ft Power & Ethernet cables supply kit	440.00
5915577	24.5 m/80 ft Power & Ethernet cables ssupply kitet	613.50
5915578	45.7 m/150 ft Power & Ethernet cables supply kit	1,008.00
5915579	61 m/200 ft Power & Ethernet cables supply kitt	1,306.50
5915580	73 m/240 ft Power & Ethernet cables supply kit	1,500.50
6697450	Omni antenna with N-connector	930.00
5915581	2 m/6 ft Antenna cable with N-connector	217.00
5915582	5m/16 ft Antenna cable with N-connector	291.00

READy MTU

READy MTU

READy MTU

Excl. cable type and accessory mount type. Please choose cable type and accessory mount type below. These must be ordered, but are not included in the READy MTU price. Incl. external stub antenna with IP-housing.

Type No.		List Price - USD
5915611	READy MTU	256.00

Cables

Type No.		List Price - USD
5000491.11	Flying Lead 5' - Packed with meter	11.50
5000491.2	Flying Lead 5' - Factory mounted	12.50
5000515.1	Nicor 5' - Packed with meter	23.50
5000515.2	Nicor 5' - Factory mounted	24.50
5000516.1	Itron 5' - Packed with meter	44.50
5000516.2	Itron 5' - Factory mounted	45.50

Accessories

Type No.			List Price - USD
6556560	Mounting L-bracket for pit/wall installation		5.30
6556562	Protection cover for sun exposed areas	1 pc.	14.00
6556563	Protection cover for sun exposed areas	6 pcs.	83.00
6556558	External stub antenna with housing - ordered separately		8.50

Water Intelligence

Water Intelligence

Water Intelligence is a collection of software modules and services that enables advanced analysis of data collected from smart water meters and sensors.

On the following pages you will find the different modules and services that can be purchased. If you require more information on the individual modules, please read through the datasheet.

Pipeline Integration

The water utilities' geographic information system (GiS) mapping can be integrated into water intelligence to enable better strategic decisions.

Pipeline integration is available for all Water Intelligence modules.

Type no.		USD
BC30302.100W	Pipeline Integration	628.50

Pipeline Update Service

When changes occur to the pipeline network, it is important to have it updated. With this service we will ensure that your updated pipeline is integrated to your Water Intelligence module.

Type No.

BC30302.500W

Pipeline Update Service

419.00

District Analyzer & Services

District Analyzer

District Analyzer is a Water Intelligence module that uses data from smart meters to analyze water loss in the distribution network.

The price consists of yearly software license and a support agreement and will be invoiced on a yearly basis. As a first time user, please remember to order Up & Running for District Analyzer.

Metering p	oints	AMR		AMI		
District Analyzer	≤ 100	6664US2108F	738.00	6664US2008F	878.00	USD
District Analyzer	≤ 250	6664US2109F	958.00	6664US2009F	1,228.00	USD
District Analyzer	≤ 800	6664US2101F	1,258.00	6664US2001F	1,758.00	USD
District Analyzer	≤ 1,600	6664US2110F	1,348.00	6664US2010F	1,988.00	USD
District Analyzer	≤ 2,400	6664US2111F	1,498.00	6664US2011F	2,278.00	USD
District Analyzer	≤ 3,200	6664US2102F	1,608.00	6664US2002F	2,468.00	USD
District Analyzer	≤ 4,000	6664US2112F	1,858.00	6664US2012F	3,038.00	USD
District Analyzer	≤ 5,000	6664US2103F	2,088.00	6664US2003F	3,558.00	USD
District Analyzer	≤ 7,500	6664US2113F	2,388.00	6664US2013F	4,128.00	USD
District Analyzer	≤ 10,000	6664US2104F	2,708.00	6664US2004F	5,128.00	USD
District Analyzer	≤ 15,000	6664US2114F	3,558.00	6664US2014F	6,838.00	USD
District Analyzer	≤ 20,000	6664US2105F	4,718.00	6664US2005F	9,298.00	USD
District Analyzer	≤ 25,000	6664US2115F	5,528.00	6664US2015F	10,548.00	USD

District Analyzer – Up & Running

Start-up price for District Analyzer when needed to be onboarded on District Analyzer with a complete Kamstrup set-up. This is a one-time fee for first time users.

Type No.

BC30302.500W

District Analyzer – Up & Running

419.00

District Analyzer – Third Party Meter Integration

Start-up price for District Analyzer when needed to be onboarded on District Analyzer without having Kamstrup district meters. This is a one-time fee for first time users.

Type No.		USD
BC30302.79W	Third Party District Meter Integration ≤100 metering points	999.00
BC30302.80W	Third Party District Meter Integration ≤250 metering points	999.00
BC30302.10W	Third Party District Meter Integration ≤800 metering points	999.00
BC30302.81W	Third Party District Meter Integration ≤1,600 metering points	1,289.00
BC30302.82W	Third Party District Meter Integration ≤2,400 metering points	1,289.00
BC30302.11W	Third Party District Meter Integration ≤3,200 metering points	1,289.00
BC30302.83W	Third Party District Meter Integration ≤4,000 metering points	1,599.00
BC30302.12W	Third Party District Meter Integration ≤5,000 metering points	1,599.00
BC30302.84W	Third Party District Meter Integration ≤7,500 metering points	1,929.00
BC30302.13W	Third Party District Meter Integration ≤10,000 metering points	1,929.00
BC30302.85W	Third Party District Meter Integration ≤15,000 metering points	2,279.00
BC30302.14W	Third Party District Meter Integration ≤20,000 metering points	2,279.00
BC30302.86W	Third Party District Meter Integration ≤25,000 metering points	2,669.00

District Analyzer – Set-up of districts

Price for assisting in defining additional districts.

Type No.		USD
BC30302.20W	Set-up of districts, 1-3 districts	499.00
BC30302.21W	Set-up of districts, 4-6 districts	999.00
BC30302.22W	Set-up of districts, 7-9 districts	1,489.00
BC30302.23W	Set-up of districts, 10-12 districts	1,989.00
BC30302.24W	Set-up of districts, 13-16 districts	2,659.00

District Analyzer – Additional district meter

Price per district meter for adding an additional third-party district meter to the application.

Type No.		USD
BC30302.30W	Adding an additional district meter	169.00

Leak Detector & Services

Leak Detector, Subscription

The price consists of yearly software license and a support agreement and will be invoiced on a yearly basis. Leak Detector is compatible with both AMI and AMR.

As a first time user, please remember to order Up & Running for Leak Detector.

Type No.		USD
BCUS30302.101W	Subscription price, Leak Detector ≤100 metering points	369.00
BCUS30302.102W	Subscription price, Leak Detector ≤250 metering points	899.00
BCUS30302.103W	Subscription price, Leak Detector ≤800 metering points	2,829.00
BCUS30302.104W	Subscription price, Leak Detector ≤1,600 metering points	5,559.00
BCUS30302.105W	Subscription price, Leak Detector ≤2,400 metering points	8,179.00
BCUS30302.106W	Subscription price, Leak Detector ≤3,200 metering points	10,689.00
BCUS30302.107W	Subscription price, Leak Detector ≤4,000 metering points	13,109.00
BCUS30302.108W	Subscription price, Leak Detector ≤5,000 metering points	16,079.00
BCUS30302.109W	Subscription price, Leak Detector ≤7,500 metering points	23,659.00
BCUS30302.110W	Subscription price, Leak Detector ≤10,000 metering points	30,949.00
BCUS30302.111W	Subscription price, Leak Detector ≤15,000 metering points	45,539.00
BCUS30302.112W	Subscription price, Leak Detector ≤20,000 metering points	59,569.00
BCUS30302.113W	Subscription price, Leak Detector ≤25,000 metering points	73,049.00

Leak Report Service

The prices consist of yearly software licence and a support agreement and will be invoiced on a yearly basis. Leak Report is compatible with both Fixed network and Drive-by.

As a first time user, please remember to order Up & Running for Leak Report Service.

Type No.		USD
	Subscription price, Leak Report Service ≤100 metering points	369.00
	Subscription price, Leak Report Service ≤250 metering points	899.00
	Subscription price, Leak Report Service ≤800 metering points	2,829.00
	Subscription price, Leak Report Service ≤1,600 metering points	5,559.00
	Subscription price, Leak Report Service ≤2,400 metering points	8,179.00
CCC 4200 4514/ 8	Subscription price, Leak Report Service ≤3,200 metering points	10,689.00
66642994FW & BC30302.1600W	Subscription price, Leak Report Service ≤4,000 metering points	13,109.00
DC30302.1000W	Subscription price, Leak Report Service ≤5,000 metering points	16,079.00
	Subscription price, Leak Report Service ≤7,500 metering points	23,659.00
	Subscription price, Leak Report Service ≤10,000 metering points	30,949.00
	Subscription price, Leak Report Service ≤15,000 metering points	45,539.00
	Subscription price, Leak Report Service ≤20,000 metering points	59,569.00
	Subscription price, Leak Report Service ≤25,000 metering points	73,049.00

Leak Detector – Up & Running

Start-up price for Leak Detector or when needed to be onboarded on Leak Detector. Includes set-up of Leak Detector with data flow from READy, configuration of Leak Detector and 3 onboarding meetings to give a "guided tour" in Leak Detector to get familiar with the solutions. The 3 onboarding meetings will ensure users know how to operate Leak Detector and provide guidance on how to connect Leak Detector with leaks onsite.

Type No.		USD
BC30302.200W	Leak Detector – Up & Running	1,323.00

Leak Detector – Trial Service

The Trial Service includes the Up & Running service, including set-up and configuration of Leak Detector and 3 onboarding meetings to have users familiarise themselves with the features, user interface and finding leaks onsite. The Trial Service is available for up to 800 metering points for a 90 days trial period and requires that one or more flowIQ[®] 2200 meters have been installed in READy. Leak Detector Trial can work with both AMI and AMR.

Type No.		USD
BC30302.300W	Trial Service Leak Detector	1,679.00

ALD as an Upgrade

ALD as an Upgrade is available for customers wishing to start Leak Detector at a later point in time, due to resource constrains or current low water loss. The ALD as an Upgrade includes setup of Leak Detector with data flow from READy and 1 onboarding training to give a "guided tour" in Leak Detector for the customer to be familiar with the solutions for the 20 metering point available in the applications.

Once the customer is ready to use standard Leak Detector - standard subscription and up & running must be configured at standard prices.

Type No.		USD
BC30302.224W	ALD as an Upgrade - Up & Running	925.00
BC30302.224W	ALD as an Upgrade - Subscription for 20 metering points	free

AMR & AMI System Services

AMR System Rollout

Onsite Setup option includes travel expenses and assumes one day on customer premises.

Type No.		USD
692Y00000 remote	AMR Startup package (Remote setup)	4,399.00
692Y00000 onsite	AMR Startup Package (Onsite setup)	7,651.00

AMI System Rollout

Choosing a delivery model is required for AMI systems deployments.

Do-It-Yourself Delivery model

Limited Kamstrup involvement; requires Channel Partner experience and Kamstrup authorization. For systems with more than 10,000 metering points, please contact Kamstrup with your request.

Type No.		USD
692YS00000	Do-It-Yourself < 1,500 metering points	10,156.00
692YM00000	Do-It-Yourself < 5,000 metering points	13,923.00
692YL00000	Do-It-Yourself < 10,000 metering points	18,018.00

Do-It-Assisted Delivery model

Kamstrup involvement in initial phase, standard delivery model.

For systems with more than 10,000 metering points, please contact Kamstrup with your request.

Type No.		USD
692AS00000	Do-It-Assisted < 1,500 metering points	21,621.00
692AM00000	Do-It-Assisted < 5,000 metering points	32,760.00
692AL00000	Do-It-Assisted < 10,000 metering points	43,898.00

Do-It-Together Delivery model

Kamstrup involvement in hole project deployment.

Please contact Kamstrup for pricing - allow 2-3 weeks after project requirements have been shared.

Additional deployment services

Onsite Training Option assumes one day on customer premises

Type No.		USD
BC20106W	Service, hourly rate	249.00
BC20107.3X	Billing Interface Standard	3,082.50
BC20103X	Installer/Operator Training (onsite)	4,623.70
BC20103X	Installer/Operator Training (remote)	1,321.00

Training and Courses

Trainings and Courses

Monitoring & Verification of leaks

This course provides a thorough introduction to the Acoustic Leak Detection Solution, in-depth knowledge to the structure and use of Leak Detector and training in relevant listening and detection techniques. Choose between onsite or online training (webinar).

Type No.		USD
BC41107W	Onsite training course	on request
BC41108W	Online training course	on request