



**Aqua Metric Sales Company**

13406 Seymour Myers, Unit 8, Covington LA 70433

Phone: (210) 967-6300 • Facsimile: (210) 967-6305



**Jefferson Parish**

Purchasing Department

200 Derbingy Street

General Government Building, Suite 4400

Gretna, LA 70053

Misty A. Camardelle

[mcamardelle@jeffparish.net](mailto:mcamardelle@jeffparish.net)

(504) 364-2683

**Bid Number: 50-00118178**

**Purchase of Water Meters and Assemblies for the**  
**Jefferson Parish Department of Engineering**

**Due: November 29, 2016 at 2:00 PM**

**Primary Contact:**

Gary Ragusa

Southeast Territory Manager

Phone: (504) 251-0140

Email: [gary.ragusa@aqua-metric.com](mailto:gary.ragusa@aqua-metric.com)

**Prepared:**

November 28, 2016





Aqua Metric Sales Company 13406 Seymour Myers, Unit 8, Covington, LA 70433 • Phone: (210) 967-6300 Fax: (210) 967-6305



November 28, 2016

Misty A. Camardelle  
Jefferson Parish, Purchasing Department  
200 Derbingy Street  
General Government Building, Suite 4400  
Gretna, LA 70053

RE: Bid No. 50-00118178 – Purchase of Water Meters and Assemblies

Dear Ms. Camardelle,

Thirkettle Corporation dba Aqua Metric Sales Company is pleased to propose our water meter solution to Jefferson Parish for Bid Number 50-00118178, Purchase of Water Meters and Assemblies, due November 29, 2016.

Thirkettle Corporation has served the utility industry for more than 20 years and is the exclusive Authorized Distributor for Sensus, USA. We have been involved in over 100 AMR/AMI system deployments, sized from 300 to more than 100,000 meters, as well as supported our manual reading customers. The enclosed proposal provides Sensus' revolutionary OMNI F2 water meter capable of migrating into Jefferson Parish's current Itron meter reading system.

Additionally, Aqua Metric is a current member of the Houston Galveston Area Council (HGAC) Buy Board. The pricing included can be offered should Alexandra decide to purchase through the HGAC Buy Board or not.

As an exclusive Authorized Sensus Distributor, Aqua Metric provides essential product, service, and support to help utility companies, like Jefferson Parish, fulfill their metering needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Segarra', with a long, sweeping horizontal stroke at the end.

Kristy Segarra  
Manager, Bids & Procurement  
Aqua Metric Sales Company  
Phone: (210) 967-6300  
Email: kristy.segarra@aqua-metric.com

DATE: 11/09/2016

Page: 5

BID NO.: 50-00118178

**BID FORM**  
Non Public Works

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X \_\_\_\_\_

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF \_\_\_\_\_.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

3 - 4 Weeks

**LOUISIANA CONTRACTOR'S LICENSE NO.:** (if applicable) \_\_\_\_\_

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: Aqua Metric Sales Company

ADDRESS: 6700 Guada Coma Drive

CITY, STATE: Schertz, Texas

ZIP: 78154

TELEPHONE: (210 ) 967-6300

FAX: ( 210 ) 967-6305

EMAIL ADDRESS: kristy.segarra@aqua-metric.com

In the event that addenda are issued with this bid, bidders **MUST** acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ \$91,703.64

AUTHORIZED  
SIGNATURE: K. Segarra

Kristy Segarra

Printed Name

TITLE: Manager, Bids & Proposals

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

**NOTE:** All bids should be returned with the **BID NUMBER** and **BID OPENING DATE** indicated on the outside of the envelope submitted to the Purchasing Department.

DATE: 11/09/2016

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INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00118178

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	6.00	EA	<p>PURCHASE OF WATER METERS AND ASSEMBLIES FOR THE JEFFERSON PARISH DEPARTMENT OF ENGINEERING</p> <p>0010 METER, FIRE FLOW, 10 INCH, WITH FLOATING BALL TECHNOLOGY, 68.00 INCH LENGTH, WITH INLINE ITRON CONNCECTOR, 5 TO 5500 GPM NORMAL OPERATING RANGE, SENSUS OMNI F2 ADDITIONAL SPECIFICATIONS ATTACHED</p>	\$15,283.94	\$91,703.64



November 23, 2016

Kristy Segarra - Manager, Bids & Proposals  
6700 Guada Coma Drive • Schertz, TX 78154  
Phone: (210) 967-6300 • Fax: (210) 967-6305  
Email: kristy.segarra@aqua-metric.com  
www.aqua-metric.com

Quote for	Jefferson Parish
Attention	Misty A. Camardelle
Address	200 Derbingy Street
City, State, ZIP	Gretna, LA 70053
Phone	(504) 364-2683
Email	mcamardelle@jeffparish.net

Quantity	Description	Unit Price	Extended
6	10" OMNI F2 8 Wheel USG - With Itron Inline Connector	\$15,283.94	\$91,703.64

Total	\$91,703.64
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This quotation on the product and services named, may be subject to the conditions noted below:

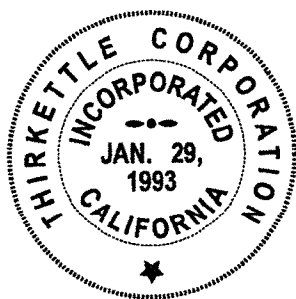
1. Net 30 Days to Pay
2. Freight Allow on orders over \$10,000.00
3. All quotes are valid for 90 days from date of quotation
4. Return product may be subject to 25% restocking fee

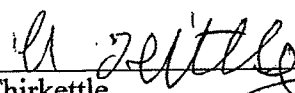
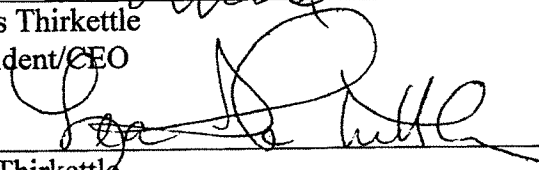
**CORPORATE RESOLUTION ON AUTHORIZED REPRESENTATIVE  
OF  
THIRKETTLE CORPORATION**

We hereby certify that it was RESOLVED by a quorum of the directors of the Thirkettle Corporation, meeting this Monday, January 4, 2016, that Clint Arnold, Michael Cartwright, Chris Newville, Kristy Segarra, Jeremy Lancon, and Michael Wood be, and hereby are authorized to act on behalf of Thirkettle Corporation and its subsidiaries Aqua Metric Sales Company and Utiliuse as its representative in all business transactions conducted in the State of Louisiana, and:

That all above resolution was unanimously ratified by the Board of Directors at said meeting and the resolution has not been rescinded or amended and is now in full forces and effect and;

In authentication of the adoption of this resolution, we subscribe our names and affix the seal of the corporation this Monday, January 4, 2016.



 _____ Chris Thirkettle President/CEO
 _____ Lea Thirkettle Vice President/Secretary

**Non-Public Works Bid****AFFIDAVIT****STATE OF** Texas**PARISH/COUNTY OF** Guadalupe

BEFORE ME, the undersigned authority, personally came and appeared: Kristy Segarra  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Manager, Bids & Proposals of Aqua Metric Sales Co. (Entity),  
the party who submitted a bid in response to Bid Number 50-00118178, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** X \_\_\_\_\_ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.



Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

**Choice B** X \_\_\_\_\_ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*



That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

K. Segarra  
Signature of Affiant

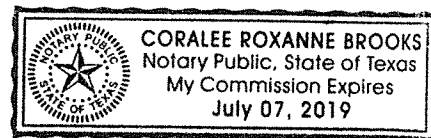
Kristy Segarra  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 23 DAY OF November, 2016.

Coralie Brooks  
Notary Public

Coralee Brooks  
Printed Name of Notary

13028615-3  
Notary/Bar Roll Number



My commission expires July 7, 2019.

# Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

**1** Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.  
**Thirkettle Corporation**

**2** Business name/disregarded entity name, if different from above  
**dba Aqua Metric Sales Company**

**3** Check appropriate box for federal tax classification; check only **one** of the following seven boxes:  
☐ Individual/sole proprietor or single-member LLC  
☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶  
**Note.** For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.  
☐ Other (see instructions) ▶

☐ C Corporation ☒ S Corporation ☐ Partnership ☐ Trust/estate

**4** Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):  
Exempt payee code (if any) \_\_\_\_\_  
Exemption from FATCA reporting code (if any) \_\_\_\_\_  
(Applies to accounts maintained outside the U.S.)

**5** Address (number, street, and apt. or suite no.)  
**4050 Flat Rock Drive**

**6** City, state, and ZIP code  
**Riverside, California 92505**

**7** List account number(s) here (optional)

**Requester's name and address (optional)**

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
				-				
or								
Employer identification number								
3	3		-	0	5	4	8	8 1 3

## Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

**Sign Here** Signature of U.S. person ▶  Date ▶ 11/23/2014

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.*

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/17/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> <b>HUB Int'l Insurance Services Inc.</b> <b>License #0757776</b> <b>4371 Latham Street, Ste. 101</b> <b>Riverside, CA 92501</b>	<b>CONTACT NAME:</b> Gigi Fietsch <b>PHONE (A/C, No, Ext):</b> 951 779-8777 <b>FAX (A/C, No):</b> 951 848-0766 <b>E-MAIL ADDRESS:</b> gigi.fietsch@hubinternational.com	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> <b>Thirkettle Corporation</b> <b>4050 Flat Rock Drive</b> <b>Riverside, CA 92505</b>	<b>INSURER A:</b> Travelers Property Casualty Co <b>INSURER B:</b> Travelers Indemnity Company of <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	
	<b>NAIC #</b>	
	<b>25674</b>	
	<b>25682</b>	

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			PACP9777C754	08/15/2014	07/01/2015	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			BA7216W64714SEL	08/15/2014	07/01/2015	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10,000			ZUP13T5006014NF	08/15/2014	07/01/2015	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	UB7889C873	10/02/2014	07/01/2015	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

## Verification of Insurance.

## CERTIFICATE HOLDER

## CANCELLATION

\*For Insured's Puposos Only\*

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*John O. Carter*

# OMNI™ F<sup>2</sup>

10" OMNI F<sup>2</sup> Meter

## DESCRIPTION

**Model:** The OMNI F<sup>2</sup> meter operation is based on advanced Floating Ball Technology (FBT) with an operating range of 2.0 GPM (0.45 m<sup>3</sup>/hr) @ 95% min. to 7000 GPM (1590 m<sup>3</sup>/hr) @ 100% +/- 1.5% registration of actual throughput. The meter is also rated for continuous flows up to 5500 GPM (1249 m<sup>3</sup>/hr).

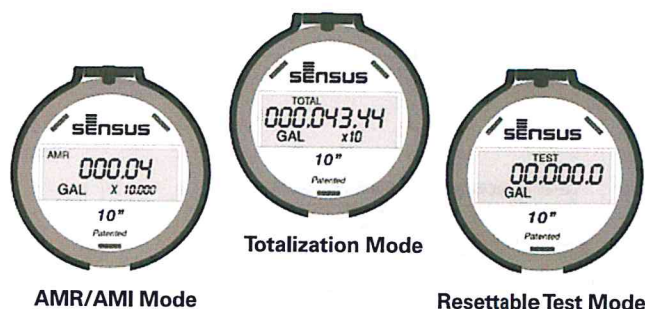
**Conformance to Standards:** The OMNI F<sup>2</sup> meter meets and far exceeds the most recent revision of ANSI / AWWA Standard C703 class II. Additionally, the meter does not require a valve to meet these standards. Each meter is performance tested to ensure compliance. All OMNI meters are NSF Approved to the latest standards. The OMNI F<sup>2</sup> meter is UL (Underwriters Laboratories) Listed and FM (Factory Mutual) approved for use on fire protection and domestic water applications.

**Performance:** The patented measurement principles of the OMNI F<sup>2</sup> meter assure enhanced accuracy ranges, an overall greater accuracy, and a longer service life than any other comparable class meter produced. The F<sup>2</sup> meter has no restrictions as to sustained flow rates within its continuous operating range. The floating ball measurement technology allows for flows up to its rated maximum capacity without undue wear or accuracy degradation.

**Construction:** The F<sup>2</sup> meter consists of two basic assemblies; the maincase and the measuring chamber. The measuring chamber assembly includes the "floating ball" impeller with a coated titanium shaft, hybrid axial bearings, integral flow straightener and an all electronic programmable register with protective bonnet. The maincase is made from industry proven Ductile Iron with an approved NSF epoxy coating. Maincase features are; easily removable measuring chamber, unique chamber seal to the maincase using a high pressure o-ring, testing port and an AWWA/UL/FM compliant strainer with drain/debris-flushing ports.

**OMNI Electronic Register:** The F<sup>2</sup> electronic register is hermetically sealed with an electronic pickup containing no mechanical gearing. The large character LCD displays AMR, Totalization and a Resettable Test Totalizer. OMNI register features; AMR resolution units that are fully programmable, Pulse output frequency that are fully programmable, Integral customer data logging capability, Integral resettable accuracy testing feature compatible with UniPro Testing Assistant Program, Large, easy-to-read LCD also displays both forward and reverse flow directions and all with a 10-year battery life guarantee.

**Magnetic Drive:** Meter registration is achieved by utilizing a fully magnetic pickup system. This is accomplished by the magnetic actions of the embedded rotor magnets and the ultra sensitive register pickup probe. The only moving component in water is the "floating ball" impeller.



**Measuring Element:** The revolutionary thermoplastic, hydro dynamically balanced impeller floats between the bearings. The Floating Ball Technology (FBT) allows the measuring element to operate virtually without friction or wear, thus creating the extended upper and lower flow ranges capable on only the OMNI F<sup>2</sup> meter.

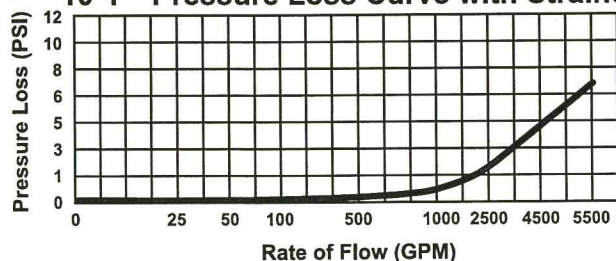
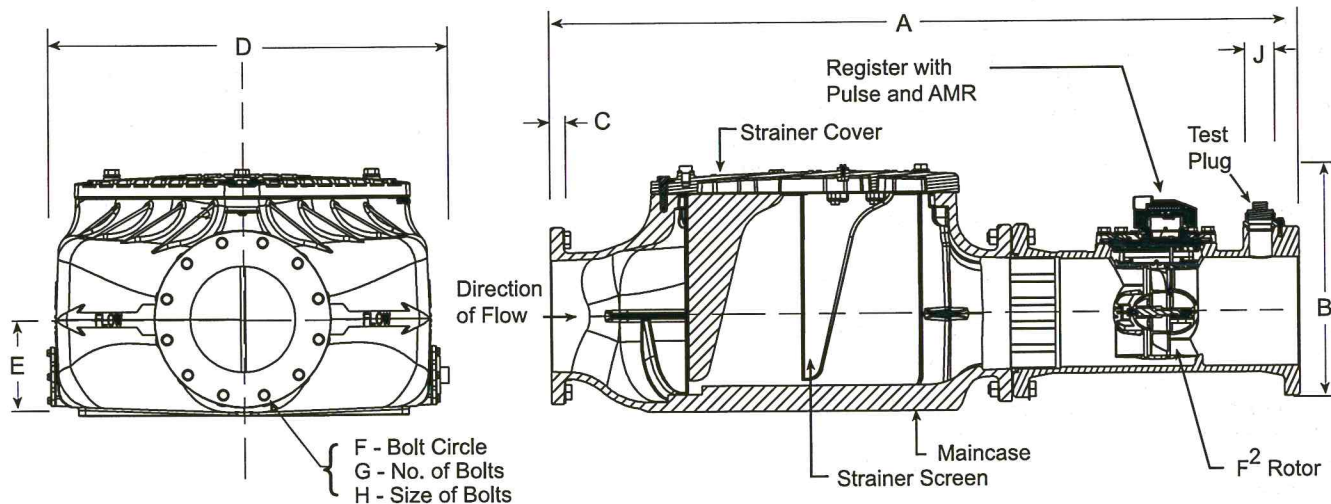
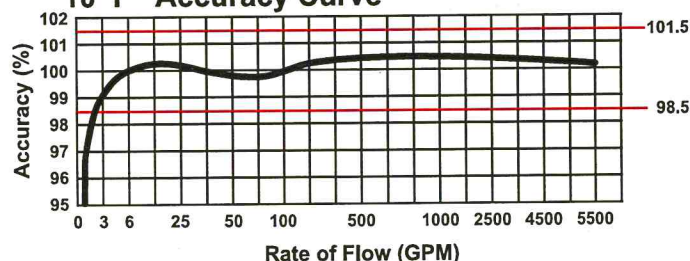
**Strainer:** The OMNI F<sup>2</sup> meter includes the Sensus designed "V" shaped AWWA compliant/UL Listed/FM approved strainer which utilizes a stainless steel screen along with Floating Ball Technology (FBT) to create a design that gives far improved accuracy even in those once thought questionable settings. A removable strainer cover permits easy access to the screen for routine maintenance. Optional drain ports, located at the back lower corners of the strainer body, allow for easy discharging of debris without the need to remove the cover.

**Maintenance:** The OMNI F<sup>2</sup> meter is designed for easy maintenance. Should any maintenance be required, the measuring chamber and / or strainer cover can be removed independently. Parts and or a replacement measuring chamber may be utilized in the event repairs are needed. Replacement and Measuring Chamber Exchange are available under the Sensus MMP Program for the F<sup>2</sup> meters.

**AMR / AMI Systems:** Meters and encoders are compatible with current Sensus AMR/AMI systems.

**Guarantee:** Sensus OMNI F<sup>2</sup> Meters are backed by "The Sensus Guarantee." Ask your Sensus representative for details or see Bulletin G-500.



10" F<sup>2</sup> Pressure Loss Curve with Strainer10" F<sup>2</sup> Accuracy Curve

## DIMENSIONS AND NET WEIGHTS

Meter and Pipe Size	Normal Operating Range	Connections	Dimensions									Net Weight	Shipping Weight
			A	B	C	D	E	F	G	H	J		
10"	5 gpm 5500 gpm	Flanged	68"	22-1/4"	11/16"	37-1/3"	8-1/2"	14-1/4"	12	7/8"	2" NPT	1155 lbs.	1215 lbs.
DN 250mm	1.1 m³/hr 1249 m³/hr		1727mm	565 mm	17 mm	947 mm	216 mm	362 mm	12	22 mm		524 kg.	551 kg.

An optional spool piece and associated hardware is available to obtain the standard Fireline meter length of 90" (2286 mm).

## SPECIFICATIONS

<b>SERVICE</b>	Measure of potable water. Operating temperature range of 33°F (.56°C) – 150°F (65.6°C).
<b>OPERATING RANGE</b>	100% ± 1.5% from 5 - 5500 GPM (1.1 - 1249 m³/hr)
<b>LOW FLOW</b>	95% – 101.5% @ 2.0 GPM (0.45 m³/hr)
<b>UL MINIMUM FLOW</b>	97% @ 2.0 GPM (0.45 m³/hr)
<b>MAXIMUM CONTINUOUS OPERATION</b>	5500 GPM (1249 m³/hr)
<b>MAXIMUM INTERMITTENT OPERATION</b>	7000 GPM (1590 m³/hr)
<b>PRESSURE LOSS</b>	7 psi @ 5500 GPM (.48 bar @ 1249 m³/hr)

<b>MAXIMUM OPERATING PRESSURE</b>	175 PSI (12 bar)																		
<b>FLANGE CONNECTIONS</b>	10" U.S. ANSI B16.1 / AWWA Class 125																		
<b>REGISTER</b>	Fully electronic sealed register with programmable registration (Gal./Cu.Ft./ Cu. Mtr. / Imp.Gal / Acre Ft.) Programmable AMR/AMI reading and pulse outputs Guaranteed 10 year battery life																		
<b>NSF APPROVED MATERIALS</b>	<table> <tr> <td><b>Maincase:</b></td><td>Coated Ductile Iron</td></tr> <tr> <td><b>Measuring Chamber:</b></td><td>Thermoplastic</td></tr> <tr> <td><b>Rotor "Floating Ball":</b></td><td>Thermoplastic</td></tr> <tr> <td><b>Radial Bearings:</b></td><td>Hybrid Thermoplastic</td></tr> <tr> <td><b>Thrust Bearings:</b></td><td>Sapphire/Ceramic Jewel</td></tr> <tr> <td><b>Magnets:</b></td><td>Ceramic Magnet</td></tr> <tr> <td><b>Strainer Screen:</b></td><td>Stainless Steel</td></tr> <tr> <td><b>Strainer Cover:</b></td><td>Coated Ductile Iron</td></tr> <tr> <td><b>Test Plug:</b></td><td>Stainless Steel</td></tr> </table>	<b>Maincase:</b>	Coated Ductile Iron	<b>Measuring Chamber:</b>	Thermoplastic	<b>Rotor "Floating Ball":</b>	Thermoplastic	<b>Radial Bearings:</b>	Hybrid Thermoplastic	<b>Thrust Bearings:</b>	Sapphire/Ceramic Jewel	<b>Magnets:</b>	Ceramic Magnet	<b>Strainer Screen:</b>	Stainless Steel	<b>Strainer Cover:</b>	Coated Ductile Iron	<b>Test Plug:</b>	Stainless Steel
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<b>Strainer Screen:</b>	Stainless Steel																		
<b>Strainer Cover:</b>	Coated Ductile Iron																		
<b>Test Plug:</b>	Stainless Steel																		

# Sensus Limited Warranty

G-500 R21

## I. General Product Coverage

Sensus USA Inc. ("Sensus") warrants its products and parts to be free from defects in material and workmanship for one (1) year from the date of Sensus shipment and as set forth below. All products are sold to customer ("Customer") pursuant to Sensus' Terms of Sale, available at: [sensus.com/TC](http://sensus.com/TC) ("Terms of Sale").

## II. SR II® and accuSTREAM™ 5/8", 3/4" & 1" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for five (5) years from the date of Sensus shipment or until the registration shown below, whichever occurs first. Sensus further warrants that the SR II and accuSTREAM meters will perform to at least AWWA Repaired Meter Accuracy Standards for fifteen (15) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	New Meter Accuracy	Repair Meter Accuracy
5/8" SR II Meter and accuSTREAM Meter	500,000 gallons	1,500,000 gallons
3/4" SR II Meter and accuSTREAM Meter	750,000 gallons	2,250,000 gallons
1" SR II Meter and accuSTREAM Meter	1,000,000 gallons	3,000,000 gallons

## III. SR® 5/8", 3/4" & 1" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 5/8", 3/4" and 1" SR meter will perform to at least AWWA Repaired Meter Accuracy Standards for fifteen (15) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
5/8" SR Meter	1,500,000 gallons
3/4" SR Meter	2,250,000 gallons
1" SR Meter	3,000,000 gallons

## IV. SR 1-1/2" & 2"...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 1-1/2" and 2" SR meter will perform to at least AWWA Repaired Meter Accuracy Standards for ten (10) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
1-1/2" SR	5,000,000 gallons
2" SR	8,000,000 gallons

## V. PMM® 5/8", 3/4", 1" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 5/8", 3/4", and 1" PMM meter will perform to at least AWWA Repaired Meter Accuracy Standards for fifteen (15) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
5/8" PMM	1,500,000 gallons
3/4" PMM	2,000,000 gallons
1" PMM	3,000,000 gallons

## VI. PMM 1-1/2", 2" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 1-1/2", and 2" PMM meter will perform to at least AWWA Repaired Meter Accuracy Standards for ten (10) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
1-1/2" PMM	5,000,000 gallons
2" PMM	8,000,000 gallons

## VII. iPERL™ Water Management Systems...

that register water flow are warranted to perform to the accuracy levels set forth in the iPERL Water Management System Data Sheet available at [sensus.com/iperl/datasheet](http://sensus.com/iperl/datasheet) or by request from 1-800-METER-IT, for twenty (20) years from the date of Sensus shipment. The iPERL System warranty does not include the external housing.

## VIII. Maincase...

of the SR, SR II and PMM in both standard and low lead alloy meters are warranted to be free from defects in material and workmanship for twenty-five (25) years from the date of Sensus shipment. Composite and E-coated maincases will be free from defects in material and workmanship for fifteen (15) years from the date of Sensus shipment.

## IX. Sensus "W" Series Turbo Meters, OMNI™ Meters and Propeller Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment.

## X. Sensus accuMAG™ Meters...

are warranted to be free from defects in material and workmanship, under normal use and service, for 18 months from the date of Sensus shipment or 12 months from startup, whichever occurs first.

## XI. Sensus Registers...

are warranted to be free from defects in material and workmanship from the date of Sensus shipment for the periods stated below or until the applicable registration for AWWA Repaired Meter Accuracy Standards, as set forth above, are surpassed, whichever occurs first:

5/8" thru 2" SR, SR II, PMM, accuSTREAM Standard Registers	25 years
5/8" thru 2" SR, SR II, PMM, accuSTREAM Encoder Registers	10 years
Electronic Communication Index (ECI)	10 years
All HSPU, IMP Contactor, R.E.R. Elec. ROFI	1 year
Standard and Encoder Registers for "W" Turbo and Propeller Meters	1 year
OMNI Register with Battery	10 years

## XII. Sensus Electric Meters...

are warranted to be free from defects in material and workmanship for one (1) year from the date of Sensus shipment. Spare parts and components are warranted to be free from defects in material and workmanship for one (1) year from the date of Sensus shipment.

Repaired or refurbished equipment repaired by Sensus is warranted to be free from defects in material and workmanship for ninety (90) days from the date of Sensus shipment or for the time remaining on the original warranty period, whichever is longer.

## XIII. Batteries, iPERL System Components, AMR and FlexNet™ System AMI Interface Devices...

are warranted to be free from defects in material and workmanship from the date of Sensus shipment for the period stated below:

Electronic TouchPad	10 years
RadioRead® MXU (Model 505C, 510R or 520R) and Batteries	20 years*
Act-Pak® Instrumentation	1 year
TouchRead® Coupler and AMR Equipment	1 year
FlexNet Water or Gas SmartPoint™ Modules and Batteries	20 years*
5500 series (or older) Hand Held Device	1 year
6500 series Hand Held Device	2 years
Vehicle Gateway Base Station	1 year
FlexNet Base Station (including the Metro and M400 base stations)	1 year
Echo Transceiver	1 year
Remote Transceiver	1 year
iConA and FlexNet Electricity SmartPoint Module	1 year
iPERL System Battery and iPERL System Components	20 years*
Residential Electronic Register	20 years*
Smart Gateway	1 year

\* Sensus will repair or replace non-performing:

- RadioRead® MXU (Model 505C, 510R and 520R) and Batteries,
- FlexNet Water or Gas SmartPoint Modules (configured to the factory setting of six transmissions per day under normal system operation of up to one demand read to each SmartPoint Module per month and up to two firmware downloads during the life of the product) and batteries,
- Residential Electronic Register with hourly reads, and
- iPERL System Batteries, and/or the iPERL System flowtube, the flow sensing and data processing assemblies, and the register ("iPERL System Components") with hourly reads

at no cost for the first ten (10) years from the date of Sensus shipment, and for the remaining ten (10) years, at a prorated percentage, applied towards the published list prices in effect for the year product is accepted by Sensus under warranty conditions according to the following schedule:

Years	Replacement Price	Years	Replacement Price
1 – 10	0%	16	55%
11	30%	17	60%
12	35%	18	65%
13	40%	19	70%
14	45%	20	75%
15	50%	>20	100%

Note: Software supplied and licensed by Sensus is warranted according to the terms of the applicable software license agreement. Sensus warrants that network and monitoring services shall be performed in a professional and workmanlike manner.

## XIV. Return...

Sensus' obligation, and Customer's exclusive remedy, under this Sensus Limited Warranty is, at Sensus' option, to either (i) repair or replace the product, provided the Customer (a)

returns the product to the location designated by Sensus within the warranty period; and (b) prepays the freight costs both to and from such location; or (ii) deliver replacement components to the Customer, provided the Customer installs, at its cost, such components in or on the product (as instructed by Sensus), provided, that if Sensus requests, the Customer (a) returns the product to the location designated by Sensus within the warranty period; and (b) prepays the freight costs both to and from such location. In all cases, if Customer does not return the product within the time period designated by Sensus, Sensus will invoice, and Customer will pay within thirty days of the invoice date, for the cost of the replacement product and/or components.

The return of products for warranty claims must follow Sensus' Returned Materials Authorization (RMA) procedures. Water meter returns must include documentation of the Customer's test results. Test results must be obtained according to AWWA standards and must specify the meter serial number. The test results will not be valid if the meter is found to contain foreign materials. If Customer chooses not to test a Sensus water meter prior to returning it to Sensus, Sensus will repair or replace the meter, at Sensus' option, after the meter has been tested by Sensus. The Customer will be charged Sensus' then current testing fee. Sensus SmartPoints modules and MXU's returned must be affixed with a completed return evaluation label. For all returns, Sensus 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"), Sensus may, at its discretion, replace such Obsolete Product with a different product model ("New Product"), provided that the New Product has substantially similar features as the Obsolete Product. The New Product shall be warranted as set forth in this Sensus Limited Warranty.

THIS SECTION XIV SETS FORTH CUSTOMER'S SOLE REMEDY FOR THE FAILURE OF THE PRODUCTS, SERVICES OR LICENSED SOFTWARE TO CONFORM TO THEIR RESPECTIVE WARRANTIES.

#### **XV. Warranty Exceptions and No Implied Warranties...**

This Sensus Limited Warranty does not include costs for removal or installation of products, or costs for replacement labor or materials, which are the responsibility of the Customer. The warranties in this Sensus Limited Warranty do not apply to goods that have been: installed improperly or in non-recommended installations; installed to a socket that is not functional, or is not in safe operating condition, or is damaged, or is in need of repair; tampered with; modified or repaired with parts or assemblies not certified in writing by Sensus, including without limitation, communication parts and assemblies; improperly modified or repaired (including as a result of modifications required by Sensus); converted; altered; damaged; read by equipment not approved by Sensus; for water meters, used with substances other than water, used with non-potable water, or used with water that contains dirt, debris, deposits, or other impurities; subjected to misuse, improper storage, improper care, improper maintenance, or improper periodic testing (collectively, "Exceptions"). If Sensus identifies any Exceptions during examination, troubleshooting or performing any type of support on behalf of Customer, then Customer shall pay for and/or reimburse Sensus for all expenses incurred by Sensus in examining, troubleshooting, performing support activities, repairing or replacing any Equipment that satisfies any of the Exceptions defined above. The above warranties do not apply in the event of Force Majeure, as defined in the Terms of Sale.

THE WARRANTIES SET FORTH IN THIS SENSUS LIMITED WARRANTY ARE THE ONLY WARRANTIES GIVEN WITH RESPECT TO THE GOODS, SOFTWARE LICENSES AND SERVICES SOLD OR OTHERWISE PROVIDED BY SENSUS. SENSUS EXPRESSLY DISCLAIMS ANY AND ALL OTHER REPRESENTATIONS, WARRANTIES, CONDITIONS, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE, REGARDING ANY MATTER IN CONNECTION WITH THIS SENSUS LIMITED WARRANTY OR WITH THE TERMS OF SALE, INCLUDING WITHOUT LIMITATION, WARRANTIES AS TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, NON-INFRINGEMENT AND TITLE.

SENSUS ASSUMES NO LIABILITY FOR COSTS OR EXPENSES ASSOCIATED WITH LOST REVENUE OR WITH THE REMOVAL OR INSTALLATION OF EQUIPMENT. THE FOREGOING REMEDIES ARE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES FOR THE FAILURE OF EQUIPMENT, LICENSED SOFTWARE OR SERVICES TO CONFORM TO THEIR RESPECTIVE WARRANTIES.

#### **XVI. Limitation of Liability...**

SENSUS' AGGREGATE LIABILITY IN ANY AND ALL CAUSES OF ACTION ARISING UNDER, OUT OF OR IN RELATION TO THIS AGREEMENT, ITS NEGOTIATION, PERFORMANCE, BREACH OR TERMINATION (COLLECTIVELY "CAUSES OF ACTION") SHALL NOT EXCEED THE TOTAL AMOUNT PAID BY CUSTOMER TO SENSUS UNDER THIS AGREEMENT. THIS IS SO WHETHER THE CAUSES OF ACTION ARE IN TORT, INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY, IN CONTRACT, UNDER STATUTE OR OTHERWISE.

AS A SEPARATE AND INDEPENDENT LIMITATION ON LIABILITY, SENSUS' LIABILITY SHALL BE LIMITED TO DIRECT DAMAGES. SENSUS SHALL NOT BE LIABLE FOR: (I) ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES; NOR (II) ANY REVENUE OR PROFITS LOST BY CUSTOMER OR ITS AFFILIATES FROM ANY END USER(S), IRRESPECTIVE OF WHETHER SUCH LOST REVENUE OR PROFITS IS CATEGORIZED AS DIRECT DAMAGES OR OTHERWISE; NOR (III) ANY IN/OUT COSTS; NOR (IV) MANUAL METER READ COSTS AND EXPENSES; NOR (V) DAMAGES ARISING FROM MAINCASE OR BOTTOM PLATE BREAKAGE CAUSED BY FREEZING TEMPERATURES, WATER HAMMER CONDITIONS, OR EXCESSIVE WATER PRESSURE. "IN/OUT COSTS" MEANS ANY COSTS AND EXPENSES INCURRED BY CUSTOMER IN TRANSPORTING GOODS BETWEEN ITS WAREHOUSE AND ITS END USER'S PREMISES AND ANY COSTS AND EXPENSES INCURRED BY CUSTOMER IN INSTALLING, UNINSTALLING AND

REMOVING GOODS. "END USER" MEANS ANY END USER OF ELECTRICITY/WATER/GAS THAT PAYS CUSTOMER FOR THE CONSUMPTION OF ELECTRICITY/WATER/GAS, AS APPLICABLE.

The limitations on liability set forth in this Agreement are fundamental inducements to Sensus entering into this Agreement. They apply unconditionally and in all respects. They are to be interpreted broadly so as to give Sensus the maximum protection permitted under law.

To the maximum extent permitted by law, no Cause of Action may be instituted by Customer against Sensus more than TWELVE (12) MONTHS after the Cause of Action first arose. In the calculation of any damages in any Cause of Action, no damages incurred more than TWELVE (12) MONTHS prior to the filing of the Cause of Action shall be recoverable.





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**Central Bidding Time:** Tue November 29, 2016 2:02:18 PM GMT-6

Location: **Schertz > Texas > USA**

Name: **Kristy Segarra**

Email: **kristy.segarra@aqua-metric.com**

Address: **6700 Guada Coma Drive**

Zip code: **78154**

Contact number: **2109676300**

Official Company/Business Name: **Aqua Metric Sales Company**

Are you registered with the State of Louisiana as a Disadvantaged Business Enterprise (DBE)?: **No**

Is your company owned my a female?: **No**

Is your company owned by a minority?: **No**

Louisiana Contractor ID#:

NIGP Codes: (Commodity code categories) **28501** - Automated Meter Reading Systems (AMR)

**89044** - Meters, Water

**89046** - Meter Reading Devices

## Where To?

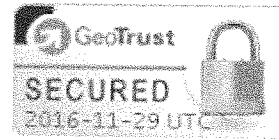


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**Central Bidding Time:** Tue November 29, 2016 2:02:57 PM GMT-6

Place a Bid for 5000118178 - PURCHASE OF WATER METERS AND ASSEMBLIES FOR  
JEFFERSON PARISH DEPARTMENT OF ENGINEERING

Please enter your best bid proposal for this project

Louisiana Contractor ID#

Enter all information required on the outside of the sealed envelope in the box below

<input type="text"/>	<input type="text"/>
Jefferson Parish Purchasing Department 200 Derbingy Street General Government Building, Suite 4400 Gretna, LA 70053 Misty A. Camardelle mcamardelle@jeffparish.net (504) 364-2683	

Bid Bond #

Jefferson Parish Vendor #:

299192

Upload Attachment(s)

While this site accepts various file types, sizes and quantities, the preferred method for delivering all of the appropriate and required bid documents is one single scanned PDF file. Vendors submitting bids with multiple uploaded images/photos of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, the bidder's submission will be rejected. Please note all requirements in this bid package for electronic bid submission.

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**Aqua Metric Sales Company**

13406 Seymour Myers, Unit 8, Covington LA 70433

Phone: (210) 967-6300 • Facsimile: (210) 967-6305



**Jefferson Parish**

Purchasing Department

200 Derbingy Street

General Government Building, Suite 4400

Gretna, LA 70053

Misty A. Camardelle

[mcamardelle@jeffparish.net](mailto:mcamardelle@jeffparish.net)

(504) 364-2683

**Bid Number: 50-00118178**

**Purchase of Water Meters and Assemblies for the  
Jefferson Parish Department of Engineering**

**Due: November 29, 2016 at 2:00 PM**

**Primary Contact:**

Gary Ragusa

Southeast Territory Manager

Phone: (504) 251-0140

Email: [gary.ragusa@aqua-metric.com](mailto:gary.ragusa@aqua-metric.com)

**Prepared:**

November 28, 2016

**SENSUS**



Aqua Metric Sales Company 13406 Seymour Myers, Unit 8, Covington, LA 70433 • Phone: (210) 967-6300 Fax: (210) 967-6305



November 28, 2016

Misty A. Camardelle  
Jefferson Parish, Purchasing Department  
200 Derbingy Street  
General Government Building, Suite 4400  
Gretna, LA 70053

RE: Bid No. 50-00118178 – Purchase of Water Meters and Assemblies

Dear Ms. Camardelle,

Thirkettle Corporation dba Aqua Metric Sales Company is pleased to propose our water meter solution to Jefferson Parish for Bid Number 50-00118178, Purchase of Water Meters and Assemblies, due November 29, 2016.

Thirkettle Corporation has served the utility industry for more than 20 years and is the exclusive Authorized Distributor for Sensus, USA. We have been involved in over 100 AMR/AMI system deployments, sized from 300 to more than 100,000 meters, as well as supported our manual reading customers. The enclosed proposal provides Sensus' revolutionary OMNI F2 water meter capable of migrating into Jefferson Parish's current Itron meter reading system.

Additionally, Aqua Metric is a current member of the Houston Galveston Area Council (HGAC) Buy Board. The pricing included can be offered should Alexandra decide to purchase through the HGAC Buy Board or not.

As an exclusive Authorized Sensus Distributor, Aqua Metric provides essential product, service, and support to help utility companies, like Jefferson Parish, fulfill their metering needs.

Sincerely,

Kristy Segarra  
Manager, Bids & Procurement  
Aqua Metric Sales Company  
Phone: (210) 967-6300  
Email: kristy.segarra@aqua-metric.com

DATE: 11/09/2016

Page: 5

BID NO.: 50-00118178

**BID FORM**  
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X \_\_\_\_\_

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF \_\_\_\_\_

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

3 - 4 Weeks

**LOUISIANA CONTRACTOR'S LICENSE NO.:** (if applicable) \_\_\_\_\_

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: Aqua Metric Sales Company

ADDRESS: 6700 Guada Coma Drive

CITY, STATE: Schertz, Texas

ZIP: 78154

TELEPHONE: (210 ) 967-6300

FAX: ( 210 ) 967-6305

EMAIL ADDRESS: kristy.segarra@aqua-metric.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ \$91,703.64

AUTHORIZED

SIGNATURE: K. Segarra

Kristy Segarra

TITLE: Manager, Bids & Proposals

Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.



DATE: 11/09/2016

INVITATION TO BID FROM JEFFERSON PARISH - continued

Page 6

BID NO.: 50-00118178

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	6.00	EA	PURCHASE OF WATER METERS AND ASSEMBLIES FOR THE JEFFERSON PARISH DEPARTMENT OF ENGINEERING  0010 METER, FIRE FLOW, 10 INCH, WITH FLOATING BALL TECHNOLOGY, 68.00 INCH LENGTH, WITH INLINE ITRON CONNCECTOR, 5 TO 5500 GPM NORMAL OPERATING RANGE, SENSUS OMNI F2 ADDITIONAL SPECIFICATIONS ATTACHED	\$15,283.94	\$91,703.64



November 23, 2016

Kristy Segarra - Manager, Bids & Proposals  
6700 Guada Coma Drive • Schertz, TX 78154  
Phone: (210) 967-6300 • Fax: (210) 967-6305  
Email: kristy.segarra@aqua-metric.com  
www.aqua-metric.com

Quote for	Jefferson Parish
Attention	Misty A. Camardelle
Address	200 Derbingy Street
City, State, ZIP	Gretna, LA 70053
Phone	(504) 364-2683
Email	mcamardelle@jeffparish.net

Quantity	Description	Unit Price	Extended
6	10" OMNI F2 8 Wheel USG - With Itron Inline Connector	\$15,283.94	\$91,703.64
Total			\$91,703.64

This quotation on the product and services named, may be subject to the conditions noted below:

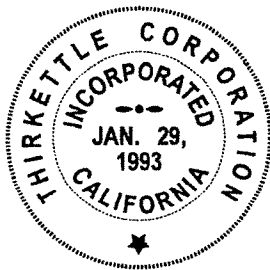
1. Net 30 Days to Pay
2. Freight Allow on orders over \$10,000.00
3. All quotes are valid for 90 days from date of quotation
4. Return product may be subject to 25% restocking fee

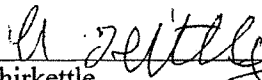
**CORPORATE RESOLUTION ON AUTHORIZED REPRESENTATIVE  
OF  
THIRKETTLE CORPORATION**


We hereby certify that it was RESOLVED by a quorum of the directors of the Thirkettle Corporation, meeting this Monday, January 4, 2016, that Clint Arnold, Michael Cartwright, Chris Newville, Kristy Segarra, Jeremy Lancon, and Michael Wood be, and hereby are authorized to act on behalf of Thirkettle Corporation and its subsidiaries Aqua Metric Sales Company and Utiliuse as its representative in all business transactions conducted in the State of Louisiana, and:

That all above resolution was unanimously ratified by the Board of Directors at said meeting and the resolution has not been rescinded or amended and is now in full forces and effect and;

In authentication of the adoption of this resolution, we subscribe our names and affix the seal of the corporation this Monday, January 4, 2016.



  
\_\_\_\_\_  
Chris Thirkettle  
President/CEO

  
\_\_\_\_\_  
Lea Thirkettle  
Vice President/Secretary

**Non-Public Works Bid****AFFIDAVIT****STATE OF** Texas**PARISH/COUNTY OF** Guadalupe

BEFORE ME, the undersigned authority, personally came and appeared: Kristy Segarra  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Manager, Bids & Proposals of Aqua Metric Sales Co. (Entity),  
the party who submitted a bid in response to Bid Number 50-00118178, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

**Choice B** X \_\_\_\_\_ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

**Choice B** X \_\_\_\_\_ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

K. Segarra  
Signature of Affiant

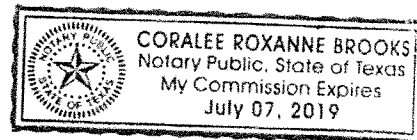
Kristy Segarra  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 23 DAY OF November, 2016.

Coralie Brooks  
Notary Public

Coralee Brooks  
Printed Name of Notary

13028415-3  
Notary/Bar Roll Number



My commission expires July 7, 2019.

# Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

Print or type  
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Thirkettle Corporation</b>	
2 Business name/disregarded entity name, if different from above <b>dba Aqua Metric Sales Company</b>	
3 Check appropriate box for federal tax classification; check only <b>one</b> of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ <b>Note.</b> For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	<input type="checkbox"/> C Corporation <input checked="" type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate
4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>	
5 Address (number, street, and apt. or suite no.) <b>4050 Flat Rock Drive</b>	Requester's name and address (optional)
6 City, state, and ZIP code <b>Riverside, California 92505</b>	
7 List account number(s) here (optional)	

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
			-					
or								
Employer identification number								
3	3	-	0	5	4	8	8	1 3

## Part II Certification

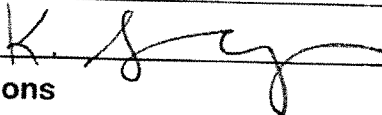
Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign  
Here

Signature of  
U.S. person ▶



Date ▶ **11/23/2014**

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/17/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> <b>HUB Int'l Insurance Services Inc.</b> <b>License #0757776</b> <b>4371 Latham Street, Ste. 101</b> <b>Riverside, CA 92501</b>		<b>CONTACT NAME:</b> Gigi Fietsch <b>PHONE (A/C, No, Ext):</b> 951 779-8777 <b>FAX (A/C, No):</b> 951 848-0766 <b>E-MAIL ADDRESS:</b> gigi.fietsch@hubinternational.com	
<b>INSURED</b> <b>Thirkettle Corporation</b> <b>4050 Flat Rock Drive</b> <b>Riverside, CA 92505</b>		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Travelers Property Casualty Co <b>NAIC #</b> 25674 <b>INSURER B:</b> Travelers Indemnity Company of <b>25682</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

## COVERAGES

## CERTIFICATE NUMBER:

## REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC		PACP9777C754	08/15/2014	07/01/2015	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		BA7216W64714SEL	08/15/2014	07/01/2015	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10,000		ZUP13T5006014NF	08/15/2014	07/01/2015	EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 \$
B	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N Y N/A	UB7889C873	10/02/2014	07/01/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

## Verification of Insurance.

## CERTIFICATE HOLDER

## CANCELLATION

\*For Insured's Puposos Only\*

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Gigi Fietsch*

# OMNI™ F<sup>2</sup>

10" OMNI F<sup>2</sup> Meter

## DESCRIPTION

**Model:** The OMNI F<sup>2</sup> meter operation is based on advanced Floating Ball Technology (FBT) with an operating range of 2.0 GPM (0.45 m<sup>3</sup>/hr) @ 95% min. to 7000 GPM (1590 m<sup>3</sup>/hr) @ 100% +/- 1.5% registration of actual throughput. The meter is also rated for continuous flows up to 5500 GPM (1249 m<sup>3</sup>/hr).

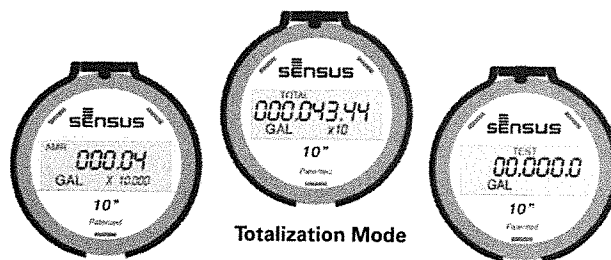
**Conformance to Standards:** The OMNI F<sup>2</sup> meter meets and far exceeds the most recent revision of ANSI / AWWA Standard C703 class II. Additionally, the meter does not require a valve to meet these standards. Each meter is performance tested to ensure compliance. All OMNI meters are NSF Approved to the latest standards. The OMNI F<sup>2</sup> meter is UL (Underwriters Laboratories) Listed and FM (Factory Mutual) approved for use on fire protection and domestic water applications.

**Performance:** The patented measurement principles of the OMNI F<sup>2</sup> meter assure enhanced accuracy ranges, an overall greater accuracy, and a longer service life than any other comparable class meter produced. The F<sup>2</sup> meter has no restrictions as to sustained flow rates within its continuous operating range. The floating ball measurement technology allows for flows up to its rated maximum capacity without undue wear or accuracy degradation.

**Construction:** The F<sup>2</sup> meter consists of two basic assemblies; the maincase and the measuring chamber. The measuring chamber assembly includes the "floating ball" impeller with a coated titanium shaft, hybrid axial bearings, integral flow straightener and an all electronic programmable register with protective bonnet. The maincase is made from industry proven Ductile Iron with an approved NSF epoxy coating. Maincase features are; easily removable measuring chamber, unique chamber seal to the maincase using a high pressure o-ring, testing port and an AWWA/UL/FM compliant strainer with drain/debris-flushing ports.

**OMNI Electronic Register:** The F<sup>2</sup> electronic register is hermetically sealed with an electronic pickup containing no mechanical gearing. The large character LCD displays AMR, Totalization and a Resettable Test Totalizer. OMNI register features; AMR resolution units that are fully programmable, Pulse output frequency that are fully programmable, Integral customer data logging capability, Integral resettable accuracy testing feature compatible with UniPro Testing Assistant Program, Large, easy-to-read LCD also displays both forward and reverse flow directions and all with a 10-year battery life guarantee.

**Magnetic Drive:** Meter registration is achieved by utilizing a fully magnetic pickup system. This is accomplished by the magnetic actions of the embedded rotor magnets and the ultra sensitive register pickup probe. The only moving component in water is the "floating ball" impeller.



AMR/AMI Mode

Totalization Mode

Resettable Test Mode

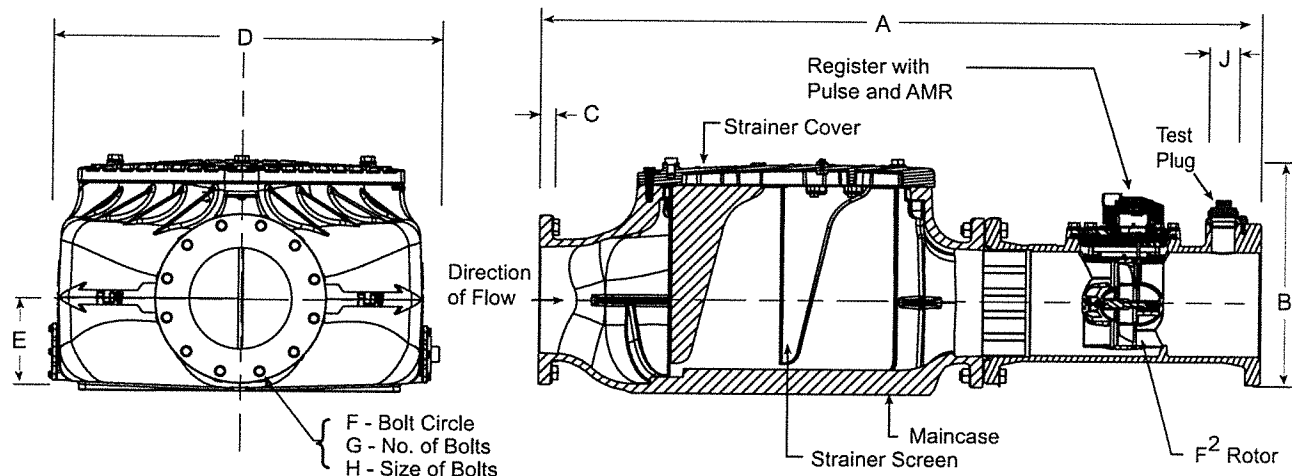
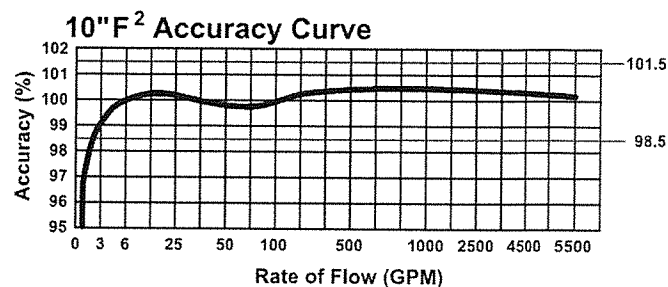
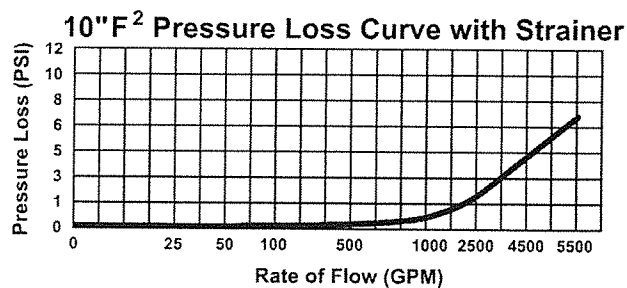
**Measuring Element:** The revolutionary thermoplastic, hydro dynamically balanced impeller floats between the bearings. The Floating Ball Technology (FBT) allows the measuring element to operate virtually without friction or wear, thus creating the extended upper and lower flow ranges capable on only the OMNI F<sup>2</sup> meter.

**Strainer:** The OMNI F<sup>2</sup> meter includes the Sensus designed "V" shaped AWWA compliant/UL Listed/FM approved strainer which utilizes a stainless steel screen along with Floating Ball Technology (FBT) to create a design that gives far improved accuracy even in those once thought questionable settings. A removable strainer cover permits easy access to the screen for routine maintenance. Optional drain ports, located at the back lower corners of the strainer body, allow for easy discharging of debris without the need to remove the cover.

**Maintenance:** The OMNI F<sup>2</sup> meter is designed for easy maintenance. Should any maintenance be required, the measuring chamber and / or strainer cover can be removed independently. Parts and or a replacement measuring chamber may be utilized in the event repairs are needed. Replacement and Measuring Chamber Exchange are available under the Sensus MMP Program for the F<sup>2</sup> meters.

**AMR / AMI Systems:** Meters and encoders are compatible with current Sensus AMR/AMI systems.

**Guarantee:** Sensus OMNI F<sup>2</sup> Meters are backed by "The Sensus Guarantee." Ask your Sensus representative for details or see Bulletin G-500.



## DIMENSIONS AND NET WEIGHTS

Meter and Pipe Size	Normal Operating Range	Connections	A	B	C	D	E	F	G	H	J	Net Weight	Shipping Weight
10"	5 gpm	Flanged	68"	22-1/4"	11/16"	37-1/3"	8-1/2"	14-1/4"	12	7/8"	2" NPT	1155 lbs.	1215 lbs.
DN 250mm	1.1 m <sup>3</sup> /hr		1727mm	565 mm	17 mm	947 mm	216 mm	362 mm	12	22 mm		524 kg.	551 kg.

An optional spool piece and associated hardware is available to obtain the standard Fireline meter length of 90" (2286 mm).

## SPECIFICATIONS

<b>SERVICE</b>	Measure of potable water. Operating temperature range of 33°F (.56°C) – 150°F (65.6°C).
<b>OPERATING RANGE</b>	100% ± 1.5% from 5 - 5500 GPM (1.1 - 1249 m <sup>3</sup> /hr)
<b>LOW FLOW</b>	95% – 101.5% @ 2.0 GPM (0.45 m <sup>3</sup> /hr)
<b>UL MINIMUM FLOW</b>	97% @ 2.0 GPM (0.45 m <sup>3</sup> /hr)
<b>MAXIMUM CONTINUOUS OPERATION</b>	5500 GPM (1249 m <sup>3</sup> /hr)
<b>MAXIMUM INTERMITTENT OPERATION</b>	7000 GPM (1590 m <sup>3</sup> /hr)
<b>PRESSURE LOSS</b>	7 psi @ 5500 GPM (.48 bar @ 1249 m <sup>3</sup> /hr)

<b>MAXIMUM OPERATING PRESSURE</b>	175 PSI (12 bar)																		
<b>FLANGE CONNECTIONS</b>	10" U.S. ANSI B16.1 / AWWA Class 125																		
<b>REGISTER</b>	Fully electronic sealed register with programmable registration (Gal./Cu.Ft./ Cu. Mtr. / Imp.Gal / Acre Ft.) Programmable AMR/AMI reading and pulse outputs Guaranteed 10 year battery life																		
<b>NSF APPROVED MATERIALS</b>	<table> <tr> <td>Maincase:</td><td>Coated Ductile Iron</td></tr> <tr> <td>Measuring Chamber:</td><td>Thermoplastic</td></tr> <tr> <td>Rotor "Floating Ball":</td><td>Thermoplastic</td></tr> <tr> <td>Radial Bearings:</td><td>Hybrid Thermoplastic</td></tr> <tr> <td>Thrust Bearings:</td><td>Sapphire/Ceramic Jewel</td></tr> <tr> <td>Magnets:</td><td>Ceramic Magnet</td></tr> <tr> <td>Strainer Screen:</td><td>Stainless Steel</td></tr> <tr> <td>Strainer Cover:</td><td>Coated Ductile Iron</td></tr> <tr> <td>Test Plug:</td><td>Stainless Steel</td></tr> </table>	Maincase:	Coated Ductile Iron	Measuring Chamber:	Thermoplastic	Rotor "Floating Ball":	Thermoplastic	Radial Bearings:	Hybrid Thermoplastic	Thrust Bearings:	Sapphire/Ceramic Jewel	Magnets:	Ceramic Magnet	Strainer Screen:	Stainless Steel	Strainer Cover:	Coated Ductile Iron	Test Plug:	Stainless Steel
Maincase:	Coated Ductile Iron																		
Measuring Chamber:	Thermoplastic																		
Rotor "Floating Ball":	Thermoplastic																		
Radial Bearings:	Hybrid Thermoplastic																		
Thrust Bearings:	Sapphire/Ceramic Jewel																		
Magnets:	Ceramic Magnet																		
Strainer Screen:	Stainless Steel																		
Strainer Cover:	Coated Ductile Iron																		
Test Plug:	Stainless Steel																		

# Sensus Limited Warranty

G-500 R21

## I. General Product Coverage

Sensus USA Inc. ("Sensus") warrants its products and parts to be free from defects in material and workmanship for one (1) year from the date of Sensus shipment and as set forth below. All products are sold to customer ("Customer") pursuant to Sensus' Terms of Sale, available at: [sensus.com/TC](http://sensus.com/TC) ("Terms of Sale").

## II. SR II® and accuSTREAM™ 5/8", 3/4" & 1" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for five (5) years from the date of Sensus shipment or until the registration shown below, whichever occurs first. Sensus further warrants that the SR II and accuSTREAM meters will perform to at least AWWA Repaired Meter Accuracy Standards for fifteen (15) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	New Meter Accuracy	Repair Meter Accuracy
5/8" SR II Meter and accuSTREAM Meter	500,000 gallons	1,500,000 gallons
3/4" SR II Meter and accuSTREAM Meter	750,000 gallons	2,250,000 gallons
1" SR II Meter and accuSTREAM Meter	1,000,000 gallons	3,000,000 gallons

## III. SR® 5/8", 3/4" & 1" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 5/8", 3/4" and 1" SR meter will perform to at least AWWA Repaired Meter Accuracy Standards for fifteen (15) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
5/8" SR Meter	1,500,000 gallons
3/4" SR Meter	2,250,000 gallons
1" SR Meter	3,000,000 gallons

## IV. SR 1-1/2" & 2"...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 1-1/2" and 2" SR meter will perform to at least AWWA Repaired Meter Accuracy Standards for ten (10) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
1-1/2" SR	5,000,000 gallons
2" SR	8,000,000 gallons

## V. PMM® 5/8", 3/4", 1" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 5/8", 3/4", and 1" PMM meter will perform to at least AWWA Repaired Meter Accuracy Standards for fifteen (15) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
5/8" PMM	1,500,000 gallons
3/4" PMM	2,000,000 gallons
1" PMM	3,000,000 gallons

## VI. PMM 1-1/2", 2" Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment. Sensus further warrants that the 1-1/2", and 2" PMM meter will perform to at least AWWA Repaired Meter Accuracy Standards for ten (10) years from the date of Sensus shipment or until the registration shown below, whichever occurs first:

	Repair Meter Accuracy
1-1/2" PMM	5,000,000 gallons
2" PMM	8,000,000 gallons

## VII. iPERL™ Water Management Systems...

that register water flow are warranted to perform to the accuracy levels set forth in the iPERL Water Management System Data Sheet available at [sensus.com/iPerl/datasheet](http://sensus.com/iPerl/datasheet) or by request from 1-800-METER-IT, for twenty (20) years from the date of Sensus shipment. The iPERL System warranty does not include the external housing.

## VIII. Maincase...

of the SR, SR II and PMM in both standard and low lead alloy meters are warranted to be free from defects in material and workmanship for twenty-five (25) years from the date of Sensus shipment. Composite and E-coated maincases will be free from defects in material and workmanship for fifteen (15) years from the date of Sensus shipment.

## IX. Sensus "W" Series Turbo Meters, OMNI™ Meters and Propeller Meters...

are warranted to perform to AWWA New Meter Accuracy Standards for one (1) year from the date of Sensus shipment.

## X. Sensus accuMAG™ Meters...

are warranted to be free from defects in material and workmanship, under normal use and service, for 18 months from the date of Sensus shipment or 12 months from startup, whichever occurs first.

## XI. Sensus Registers...

are warranted to be free from defects in material and workmanship from the date of Sensus shipment for the periods stated below or until the applicable registration for AWWA Repaired Meter Accuracy Standards, as set forth above, are surpassed, whichever occurs first:

5/8" thru 2" SR, SR II, PMM, accuSTREAM Standard Registers	25 years
5/8" thru 2" SR, SR II, PMM, accuSTREAM Encoder Registers	10 years
Electronic Communication Index (ECI)	10 years
All HSPU, IMP Contactor, R.E.R. Elec. ROFI	1 year
Standard and Encoder Registers for "W" Turbo and Propeller Meters	1 year
OMNI Register with Battery	10 years

## XII. Sensus Electric Meters...

are warranted to be free from defects in material and workmanship for one (1) year from the date of Sensus shipment. Spare parts and components are warranted to be free from defects in material and workmanship for one (1) year from the date of Sensus shipment.

Repaired or refurbished equipment repaired by Sensus is warranted to be free from defects in material and workmanship for ninety (90) days from the date of Sensus shipment or for the time remaining on the original warranty period, whichever is longer.

## XIII. Batteries, iPERL System Components, AMR and FlexNet™ System AMI Interface Devices...

are warranted to be free from defects in material and workmanship from the date of Sensus shipment for the period stated below:

Electronic TouchPad	10 years
RadioRead® MXU (Model 505C, 510R or 520R) and Batteries	20 years*
Act-Pak® Instrumentation	1 year
TouchRead® Coupler and AMR Equipment	1 year
FlexNet Water or Gas SmartPoint™ Modules and Batteries	20 years*
5500 series (or older) Hand Held Device	1 year
6500 series Hand Held Device	2 years
Vehicle Gateway Base Station	1 year
FlexNet Base Station (including the Metro and M400 base stations)	1 year
Echo Transceiver	1 year
Remote Transceiver	1 year
iConA and FlexNet Electricity SmartPoint Module	1 year
iPERL System Battery and iPERL System Components	20 years*
Residential Electronic Register	20 years*
Smart Gateway	1 year

\* Sensus will repair or replace non-performing:

- RadioRead® MXU (Model 505C, 510R and 520R) and Batteries,
- FlexNet Water or Gas SmartPoint Modules (configured to the factory setting of six transmissions per day under normal system operation of up to one demand read to each SmartPoint Module per month and up to two firmware downloads during the life of the product) and batteries,
- Residential Electronic Register with hourly reads, and
- iPERL System Batteries, and/or the iPERL System flowtube, the flow sensing and data processing assemblies, and the register ("iPERL System Components") with hourly reads

at no cost for the first ten (10) years from the date of Sensus shipment, and for the remaining ten (10) years, at a prorated percentage, applied towards the published list prices in effect for the year product is accepted by Sensus under warranty conditions according to the following schedule:

Years	Replacement Price	Years	Replacement Price
1 – 10	0%	16	55%
11	30%	17	60%
12	35%	18	65%
13	40%	19	70%
14	45%	20	75%
15	50%	>20	100%

Note: Software supplied and licensed by Sensus is warranted according to the terms of the applicable software license agreement. Sensus warrants that network and monitoring services shall be performed in a professional and workmanlike manner.

## XIV. Return...

Sensus' obligation, and Customer's exclusive remedy, under this Sensus Limited Warranty is, at Sensus' option, to either (i) repair or replace the product, provided the Customer (a)

returns the product to the location designated by Sensus within the warranty period; and (b) prepays the freight costs both to and from such location; or (ii) deliver replacement components to the Customer, provided the Customer installs, at its cost, such components in or on the product (as instructed by Sensus), provided, that if Sensus requests, the Customer (a) returns the product to the location designated by Sensus within the warranty period; and (b) prepays the freight costs both to and from such location. In all cases, if Customer does not return the product within the time period designated by Sensus, Sensus will invoice, and Customer will pay within thirty days of the invoice date, for the cost of the replacement product and/or components.

The return of products for warranty claims must follow Sensus' Returned Materials Authorization (RMA) procedures. Water meter returns must include documentation of the Customer's test results. Test results must be obtained according to AWWA standards and must specify the meter serial number. The test results will not be valid if the meter is found to contain foreign materials. If Customer chooses not to test a Sensus water meter prior to returning it to Sensus, Sensus will repair or replace the meter, at Sensus' option, after the meter has been tested by Sensus. The Customer will be charged Sensus' then current testing fee. Sensus SmartPoints modules and MXU's returned must be affixed with a completed return evaluation label. For all returns, Sensus 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"), Sensus may, at its discretion, replace such Obsolete Product with a different product model ("New Product"), provided that the New Product has substantially similar features as the Obsolete Product. The New Product shall be warranted as set forth in this Sensus Limited Warranty.

THIS SECTION XIV SETS FORTH CUSTOMER'S SOLE REMEDY FOR THE FAILURE OF THE PRODUCTS, SERVICES OR LICENSED SOFTWARE TO CONFORM TO THEIR RESPECTIVE WARRANTIES.

#### **XV. Warranty Exceptions and No Implied Warranties...**

This Sensus Limited Warranty does not include costs for removal or installation of products, or costs for replacement labor or materials, which are the responsibility of the Customer. The warranties in this Sensus Limited Warranty do not apply to goods that have been: installed improperly or in non-recommended installations; installed to a socket that is not functional, or is not in safe operating condition, or is damaged, or is in need of repair; tampered with; modified or repaired with parts or assemblies not certified in writing by Sensus, including without limitation, communication parts and assemblies; improperly modified or repaired (including as a result of modifications required by Sensus); converted; altered; damaged; read by equipment not approved by Sensus; for water meters, used with substances other than water, used with non-potable water, or used with water that contains dirt, debris, deposits, or other impurities; subjected to misuse, improper storage, improper care, improper maintenance, or improper periodic testing (collectively, "Exceptions."). If Sensus identifies any Exceptions during examination, troubleshooting or performing any type of support on behalf of Customer, then Customer shall pay for and/or reimburse Sensus for all expenses incurred by Sensus in examining, troubleshooting, performing support activities, repairing or replacing any Equipment that satisfies any of the Exceptions defined above. The above warranties do not apply in the event of Force Majeure, as defined in the Terms of Sale.

THE WARRANTIES SET FORTH IN THIS SENSUS LIMITED WARRANTY ARE THE ONLY WARRANTIES GIVEN WITH RESPECT TO THE GOODS, SOFTWARE LICENSES AND SERVICES SOLD OR OTHERWISE PROVIDED BY SENSUS. SENSUS EXPRESSLY DISCLAIMS ANY AND ALL OTHER REPRESENTATIONS, WARRANTIES, CONDITIONS, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE, REGARDING ANY MATTER IN CONNECTION WITH THIS SENSUS LIMITED WARRANTY OR WITH THE TERMS OF SALE, INCLUDING WITHOUT LIMITATION, WARRANTIES AS TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, NON-INFRINGEMENT AND TITLE.

SENSUS ASSUMES NO LIABILITY FOR COSTS OR EXPENSES ASSOCIATED WITH LOST REVENUE OR WITH THE REMOVAL OR INSTALLATION OF EQUIPMENT. THE FOREGOING REMEDIES ARE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES FOR THE FAILURE OF EQUIPMENT, LICENSED SOFTWARE OR SERVICES TO CONFORM TO THEIR RESPECTIVE WARRANTIES.

#### **XVI. Limitation of Liability...**

SENSUS' AGGREGATE LIABILITY IN ANY AND ALL CAUSES OF ACTION ARISING UNDER, OUT OF OR IN RELATION TO THIS AGREEMENT, ITS NEGOTIATION, PERFORMANCE, BREACH OR TERMINATION (COLLECTIVELY "CAUSES OF ACTION") SHALL NOT EXCEED THE TOTAL AMOUNT PAID BY CUSTOMER TO SENSUS UNDER THIS AGREEMENT. THIS IS SO WHETHER THE CAUSES OF ACTION ARE IN TORT, INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY, IN CONTRACT, UNDER STATUTE OR OTHERWISE.

AS A SEPARATE AND INDEPENDENT LIMITATION ON LIABILITY, SENSUS' LIABILITY SHALL BE LIMITED TO DIRECT DAMAGES. SENSUS SHALL NOT BE LIABLE FOR: (I) ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES; NOR (II) ANY REVENUE OR PROFITS LOST BY CUSTOMER OR ITS AFFILIATES FROM ANY END USER(S), IRRESPECTIVE OF WHETHER SUCH LOST REVENUE OR PROFITS IS CATEGORIZED AS DIRECT DAMAGES OR OTHERWISE; NOR (III) ANY IN/OUT COSTS; NOR (IV) MANUAL METER READ COSTS AND EXPENSES; NOR (V) DAMAGES ARISING FROM MAINCASE OR BOTTOM PLATE BREAKAGE CAUSED BY FREEZING TEMPERATURES, WATER HAMMER CONDITIONS, OR EXCESSIVE WATER PRESSURE. "IN/OUT COSTS" MEANS ANY COSTS AND EXPENSES INCURRED BY CUSTOMER IN TRANSPORTING GOODS BETWEEN ITS WAREHOUSE AND ITS END USER'S PREMISES AND ANY COSTS AND EXPENSES INCURRED BY CUSTOMER IN INSTALLING, UNINSTALLING AND

REMOVING GOODS. "END USER" MEANS ANY END USER OF ELECTRICITY/WATER/GAS THAT PAYS CUSTOMER FOR THE CONSUMPTION OF ELECTRICITY/WATER/GAS, AS APPLICABLE.

The limitations on liability set forth in this Agreement are fundamental inducements to Sensus entering into this Agreement. They apply unconditionally and in all respects. They are to be interpreted broadly so as to give Sensus the maximum protection permitted under law.

To the maximum extent permitted by law, no Cause of Action may be instituted by Customer against Sensus more than TWELVE (12) MONTHS after the Cause of Action first arose. In the calculation of any damages in any Cause of Action, no damages incurred more than TWELVE (12) MONTHS prior to the filing of the Cause of Action shall be recoverable.