



Lisc. # 53132

Bid Submission

City Of Mandeville , LA
PW-CMA004F Isaac Recovery
Water Meter Replacement
Project Number 1006A43-5

2912 S. Access Rd. • Longview TX 75602 •
Ph: 903-753-3456 • Fax: 903-753-5678 • www.rg3meter.com

SECTION 00300
LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: City of Mandeville
3101 East Causeway Approach
Mandeville, LA 70448

BID FOR: City of Mandeville
PW-CMA004F Isaac Recovery -
Water Meter Replacement

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Principal Engineering, Inc. and dated: October 2013

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA**: (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) #1

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

Sixty five thousand two hundred eighty eight dollars and 51/100 Dollars (\$ 65,218.⁵¹)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 (Cost increase to provide Radio-Read Water Meters instead of Manual-Read Water Meters. Subtract Pay Item 3 unit price extension from Pay Item 8 unit price extension and enter below.) for the lump sum of:

Ninety two thousand two hundred eighty seven dollars and 00/100 Dollars (\$ 92,287.⁰⁰)

Alternate No. 2 (NONE) for the lump sum of:

_____ Dollars (\$ _____)

Alternate No. 3 (NONE) for the lump sum of:

_____ Dollars (\$ _____)

NAME OF BIDDER:

RG3 Utilities LLC

ADDRESS OF BIDDER:

2912 S. Access Rd

Longview TX 75602

LOUISIANA CONTRACTOR'S LICENSE NUMBER:

53132

NAME OF AUTHORIZED SIGNATORY OF BIDDER:

Michael Lee Gregory

TITLE OF AUTHORIZED SIGNATORY OF BIDDER:

Operating Manager

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **:

[Signature]

DATE: 12-2-13

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** If someone other than a corporate officer signs for the Bidder/Contractor, a copy of a corporate resolution or other signature authorization shall be required for submission of bid. Failure to include a copy of the appropriate signature authorization, if required, may result in the rejection of the bid unless bidder has complied with La. R.S. 38:2212(A)(1)(c) or RS 38:2212(O).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA RS 38:2218.A is attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

UNIT PRICE FORM

TO: City of Mandeville
3101 East Causeway Approach
Mandeville, LA 70448

BID FOR: City of Mandeville
PW-CMA004F Isaac Recovery-
Water Meter Replacement

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices.
 Amounts shall be stated in figures and only in figures.

BASE BID ITEMS

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Mobilization/Demobilization			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
1	1	Lump Sum	\$5084.31	\$5084.31

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Removal of Existing Water Meters			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
2	650	Each	\$27.81	\$18,076.50

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Manual-Read Water Meters			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
3	650	Each	\$50.02	\$32,513.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Standard Plastic Meter Box and Cover, with Cast Iron Reader			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
4	20	Each	\$45.52	\$910.40

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Jumbo Plastic Meter Box and Cover, with Cast Iron Reader			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
5	10	Each	\$88.08	\$880.80

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Site Restoration			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
6	1	Lump Sum	\$500	\$500.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Pavement Installation			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
7	10	Each	\$400.00	\$4,000.00

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt. # Curb Stop Replacement			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
8	50	Each	\$65.07	\$3,253.50

ALTERNATE BID ITEMS

DESCRIPTION:	<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt. #1 Radio-Read Water Meters			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (Quantity times Unit Price)
9	650	Each	\$192.00	\$124,800.00

SECTION 00410

BID BOND FORM
FOR

PW-CMA004F ISAAC RECOVERY - WATER METER REPLACEMENT

Date: December 4, 2013

KNOW ALL MEN BY THESE PRESENTS:

That RG-3 Utilities, LLC of 304 Forest Hills Drive, Hallsville, TX 75650,
as Principal, and Developers Surety and Indemnity Company, as Surety,
are held and firmly bound unto the City of Mandeville
(Obligee), in the full and just sum of 5% of the price bid, lawful money of the United States, for payment
of which sum, well and truly be made, we bind ourselves, our heirs, executors, administrators, successors
and assigns, jointly and severally firmly by these presents.

Surety represents that it is listed on the current U. S. Department of the Treasury Financial
Management Service list of approved bonding companies as approved for an amount equal to or greater
that the amount for which it obligates itself in this instrument or that it is a Louisiana domiciled insurance
company with at least an A - rating in the latest printing of the A. M. Best's Key Rating Guide. If surety
qualifies by virtue of its Best's listing, the Bond amount may not exceed ten percent of policyholders'
surplus as shown in the latest A. M. Best's Key Rating Guide.

Surety further represents that it is licensed to do business in the State of Louisiana and that this
Bond is signed by surety's agent or attorney-in-fact. This Bid Bond is accompanied by appropriate power
of attorney.

THE CONDITION OF THIS OBLIGATION IS SUCH that, whereas said Principal is herewith
submitting its proposal to the Obligee on a Contract for:

PW-CMA004F ISAAC RECOVERY- WATER METER REPLACEMENT

NOW, THEREFORE, if the said Contract be awarded to the Principal and the Principal shall,
within such time as may be specified, enter into the Contract in writing and give a good and sufficient
bond to secure the performance of the terms and conditions of the Contract with surety acceptable to the
Obligee, then this obligation shall be void; otherwise this obligation shall become due and payable.

RG-3 Utilities, LLC
PRINCIPAL (BIDDER)

Developers Surety and Indemnity Company
SURETY

BY: _____
AUTHORIZED OFFICER-OWNER-PARTNER

BY: Blaine Allen
AGENT OR ATTORNEY-IN-FACT(SEAL)
Blaine Allen

END OF SECTION

IMPORTANT NOTICE

To obtain information or make a complaint:

You may call the Surety's toll free telephone number for information or to make a complaint at:

1-800-782-1546

You may also write to the Surety at:

P.O. Box 19725
Irvine, CA 92623-9725

You may contact the Texas Department of Insurance to obtain information on companies, coverage, rights or complaints at:

1-800-252-3439

You may write the Texas Department of Insurance at:

P.O. Box 149104
Austin, TX 78714-9104
Fax# 512-475-1771
web: <http://www.tdi.state.tx.us>
E-mail: ConsumerProtection@tdi.state.tx.us

PREMIUM OR CLAIM DISPUTES: Should you have a dispute concerning your premium or about a claim you should contact the Surety first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR POLICY: This notice is for information only and does not become a part or condition of the attached document.

AVISO IMPORTANCE

Para obtener informacion o para someter una queja:

Usted puede llamar al numero de telefono gratis de para informacion o para someter una queja al:

1-800-782-1546

Usted tambien puede escribir a Surety at:

P.O. Box 19725
Irvine, CA 92623-9725

Puede comunicarse con el Departamento de Seguros de Texas para obtener informacion acerca de companias, coberturas, derechos o quejas al:

1-800-252-3439

Puede escribir al Departamento de Seguros de Texas

P.O. Box 149104
Austin, TX 78714-9104
Fax# 512-475-1771
web: <http://www.tdi.state.tx.us>
E-mail: ConsumerProtection@tdi.state.tx.us

DISPUTAS SOBRE PRIMAS O RECLAMOS: Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el Surety primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TDI).

UNA ESTE AVISO A SU POLIZA: Este aviso es solo para proposito de informacion y no se convierte en parte o condicion del documento adjunto.



Insko Insurance Services, Inc.
Underwriting Manager for:
Developers Surety and Indemnity Company • Indemnity Company of California
17771 Cowan, Suite 100
Irvine, CA 92614
1-800-782-1546
www.InskoDico.com

**POWER OF ATTORNEY FOR
DEVELOPERS SURETY AND INDEMNITY COMPANY**
PO Box 19725, IRVINE, CA 92623 (949) 263-3300

KNOW ALL BY THESE PRESENTS that except as expressly limited, DEVELOPERS SURETY AND INDEMNITY COMPANY, does hereby make, constitute and appoint:
Brent Baldwin, Brock Baldwin, William D. Baldwin, Michael B. Hill, Brady K. Cox, Blaine Allen, Monica Campos, jointly or severally

as its true and lawful Attorney(s)-in-Fact, to make, execute, deliver and acknowledge, for and on behalf of said corporation, as surety, bonds, undertakings and contracts of suretyship giving and granting unto said Attorney(s)-in-Fact full power and authority to do and to perform every act necessary, requisite or proper to be done in connection therewith as each of said corporation could do, but reserving to each of said corporation full power of substitution and revocation, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed.

This Power of Attorney is granted and is signed by facsimile under and by authority of the following resolution adopted by the Board of Directors of DEVELOPERS SURETY AND INDEMNITY COMPANY, effective as of January 1st, 2008.

RESOLVED, that a combination of any two of the Chairman of the Board, the President, any Executive Vice-President, Senior Vice-President or Vice-President of the corporation be, and that each of them hereby is, authorized to execute this Power of Attorney, qualifying the attorney(s) named in the Power of Attorney to execute, on behalf of the corporation, bonds, undertakings and contracts of suretyship; and that the Secretary or any Assistant Secretary of the corporation be, and each of them hereby is, authorized to attest the execution of any such Power of Attorney.

RESOLVED, FURTHER, that the signatures of such officers may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures shall be valid and binding upon the corporation when so affixed and in the future with respect to any bond, undertaking or contract of suretyship to which it is attached.

IN WITNESS WHEREOF, DEVELOPERS SURETY AND INDEMNITY COMPANY has caused these presents to be signed by its officers and attested by its Secretary or Assistant Secretary this May 23, 2013.

By: *Daniel Young*
Daniel Young, Senior Vice-President

By: *Gregg N. Okura*
Gregg N. Okura, Vice-President



State of California
County of Orange

On May 23, 2013 before me, Gina L. Garner, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Daniel Young and Gregg N. Okura
Name(s) of Signer(s)



Place Notary Seal Above

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Gina L. Garner*
Gina L. Garner, Notary Public

CERTIFICATE

The undersigned, as Secretary or Assistant Secretary of DEVELOPERS SURETY AND INDEMNITY COMPANY does hereby certify that the foregoing Power of Attorney remains in full force and has not been revoked and, furthermore, that the provisions of the resolution of the Board of Directors of said corporation set forth in the Power of Attorney are in force as of the date of this Certificate.

This Certificate is executed in the City of Irvine, California, this 4th day of December, 2013

By: *Mark J. Lansdon*
Mark J. Lansdon, Assistant Secretary

SECTION 00485

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
RG3 Utilities, LLC
INCORPORATED.

AT THE MEETING OF DIRECTORS OF RG3 Utilities LLC
INCORPORATED, DULY NOTICED AND HELD ON March 19, 2013,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT Michael Lee Gregory, Oper. Manager, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS AND
TRANSACTIONS WITH THE CITY OF MANDEVILLE OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE A
TRUE AND CORRECT COPY OF AN EXCERPT OF
THE MINUTES OF THE ABOVE DATED MEETING
OF THE BOARD OF DIRECTORS OF SAID
CORPORATION, AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.

Katrina Gregory
SECRETARY-TREASURER

December 2, 2013
DATE

ADDENDUM NUMBER 1

November 27, 2013

City of Mandeville

**PW CMA004F Isaac Recovery
Water Meter Replacement**

The following Addendum to the specifications shall be considered a part of the Contract Documents and modifies the original contract documents as noted below.

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. Bidder is responsible to disseminate this Addendum to all subcontractors and material suppliers concerned. This Addendum does not change the original bid date and time.

Section 1 - General

- A new bid form has been supplied.
- A copy of the attendance sheet from the pre-bid meeting (11/20/13) has been supplied.

Section 2 - Questions Received Prior to, During, and After Pre-bid Meeting

1. How old is the existing system?
The current system's age varies.
2. Are the meters on setters?
Some meters may be on setters.
3. Are the meters set on spuds (meter nuts), expansion wheels, etc.?
Some of the meters may be on spuds.
4. Is a photo of the installation or old meter register required?
Photographic documentation is not required.
5. Will the Owner provide additional information regarding addresses and locations of existing water meters, other than that provided in the Contract Documents?
The Owner and the Engineer will work with the Contractor during construction to locate meters and associate them with the correct address for accurate documentation.

6. What is the Engineer's estimate for this project?
\$300,000
7. What size are the water meters and are there various sizes?
All of the meters to be replaced are 5/8" x 3/4".
8. Is a composite meter acceptable?
Composite meters will not be accepted.
9. Is the City of Mandeville looking for positive displacement meters or multi-jet meters?
Both meter types will be allowed.
10. Are any of the water meters inaccessible and/or buried?
All of the meters for this project should be accessible. The Owner and/or the Engineer will assist in locating meters if necessary.
11. Is the Contractor required to store the water meters?
The Contractor will be responsible for quantifying and providing inventory of the used meters before delivery to the Owner. The Owner will work with the Contractor with regard to delivery of used meters. For the new meters, the Contractor will be required to store the new meters until they are installed. This will be at no direct pay.

The following revisions are hereby made a part of the Contract Documents as if written therein:

Section 3 – Revisions to Contract Documents

1. Section 00300 – Bid Form (Unit Price Form)
Replace this section with the attached version.
2. Section 01025 – Measurement & Payment
Replace this section with the attached version.
3. Section 10430 – Water Meters
Replace this section with the attached version.

END ADDENDUM NUMBER 1



References

Bisteneau Water System
Heflin , LA
Chris Walker
(318) 222-5871
312 Meters & End Points

Houston River Water Works
Sulphur, LA
Clyde Swope
(337) 528-3446
recycleh20@gmail.com

WWD #2 Ruston
Louisiana
Clyde Aycock
318-243-1555
500 Meters & End Points



Statement of Qualification

The principles of RG3 Utilities started in the fields of excavation and large utilities. In 1999, focus changed to meter replacement and AMR/AMI systems installation. Today, our company has installed over a million meters and virtually every AMR/AMI system, along with every meter available in the market place.

Although RG3 is a Texas based company, our firm is duly licensed to operate in most of the Southern United States. Specialized, meter specific, state contractor licensing is also held in individual states, as required, including Louisiana, Tennessee, North Carolina, Virginia, Florida, and Arkansas. RG3 Utilities has undergone specified training with Master Meter Systems, Elster, Neptune, Sensus, is a Badger Meter Certified Installation Contractor, a Datamatic Certified FIREFLY® Trainer, an Itron National Installation Contractor, an approved Johnson Controls installation contractor, and the preferred national RG3-Infinity Meter Company Installation Contractor.

As a company, RG3 Utilities has a very concentrated emphasis. Everything we do surrounds AMI/AMR and meter installation. RG3 employs a "Crews & Systems" approach to meter replacement that ensures our efforts are streamlined, our assets are used to their most efficient capability, and a great emphasis is placed on quality control. Because we value experience, the only local staff we hire are general laborers. Our project managers, meter changers, and data personnel travel from project to project and have been involved with tens of thousands of installations on average. We hold the experience we bring, along with the systems and controls we

employ, responsible for our perfect OSHA safety record, unmatched ½% error rate, and a production rate that is always far above expectation (best day – 476 meters).

Our company has replaced, tested, and rebuilt meters of all sizes. Project scopes have ranged from simple meter change outs to complex customer side rebuilds, requiring every meter box to be excavated. In many instances, we have been charged with incorporating new customer side shut off valves, backflow valves, leak detection devices, and installing AMR/AMI systems. We have successfully completed projects in extreme terrains covering the frozen ground and 9 foot meter depths of Kansas and Colorado, to the solid rock of the Texas hill country.

Our IT and engineering staff are data integration specialists and some of the most experienced personnel in the water industry. They have written utility route software, been integral in the design and build of AMR systems and meters for multiple manufacturers, and seamlessly integrated customer data from almost every billing service provider to all prominent AMR/AMI systems in the market.

Minimized error, safety, and high production are achieved through experience and refined systems that are proven to work. Efficiency is enhanced through consistent customer interface provided by our dedicated staff. We treat every project as a gift from God. Intrinsically, integrity and excellence comprise the core of our business practices; all principals proudly verifiable through the references of our previous customers.



Although both companies share a common name and the same principals, they are truly two different companies. It is easiest to give histories and brief descriptions for the two companies individually.

RG3 Utilities: Our Company began in 1950 under the name Gregory Excavating. In 1998, my cousin continued with the excavation company and my business partner and I focused solely on meter, AMR, & AMI installation under the name M L Gregory Ent. Inc., dba of Anointed Meter Service. In roughly 2004 we entered an exclusive contract under an NDA to do warranty work for a major meter manufacturer and did nothing else for the next 4 years. When the economy slowed down we realized we would need to become a prime contractor again to continue working. It was then that we formed RG3 Utilities (Ratliff & Gregory 3rd name) in 2009. RG3 Utilities is debt free and has a bonding capacity of 7.5 million single, 15 million aggregate. In addition to having authority to do business in most of the Southern US, we also hold specialized meter specific state contractor licensing in Louisiana, Tennessee, North Carolina, Virginia,

Arkansas, and Florida. We have been trained by Master Meter Systems, Elster-Amco, and Neptune on their products. We are a Badger Meter Certified Installation Contractor, a Datamatic Certified FIREFLY® Trainer, and an Itron National Installation Contractor. In total, we have installed well over 1 million meters and every AMR and AMI system on the market. Although we now put our field experience to good use manufacturing, RG3 Utilities still installs every other brand of meter and all other AMR/AMI systems.

RG3 Meter Company: RG3 Meter Company was formed in August of 2012 to purchase Infinity Metering (with cash). The only debt this company holds is a \$1,000,000 revolving line of credit of which we keep \$300,000 of in reserve. RG3 Meter Company keeps between 2 million and 2.5 million in stock at all times and ships most orders within 48 hours, and most large orders within 2 weeks.

The RG3 PD25 meter bid in Bertie County has been in production since 1995 and is cast at the Fall River Foundry in Fall River, Wisconsin. This is the same foundry used by Badger Meter for the majority of their meters and also utilized by Neptune and Master Meter for some of their

production. Assembly and testing is handled at our facility in Longview Texas. The RG3 meter line has been certified at the foundry and at our Longview facility by NSF to meet all applicable manufacturing procedures and standards.

The Tesla AMR system has been in production since 2007. Not counting active pilots, there are roughly 100 Tesla systems in place. Raleigh Winwater Company is the local distributor for Bertie County and would provide support. An RG3 Product Specialist would provide training and read the system with the operator for the first three months after installation. Our Tesla AMR system is built in Irving Texas (outside of Dallas) and these units are programmed to each meter in our Longview facility. We are very proud to produce a truly American made product.

Please let me know if there is anything more we can do or provide.

Specification Sheet

PD-25
Meter Size: 5/8 X 3/4 inch

Specifications

Size	5/8 x 3/4in.
Typical Operating Range	
100% \pm 1.5%	1 - 20 gpm
Low Flow (Min. 95%)	1/8 gpm
Max Continuous Operating Flow	15 gpm
Max Operating Capacity	20 gpm
Pressure Loss at Max	
Operating Capacity	7.0 psi
Max Operating Temperature	122 °F
Max Operating Pressure	150 psi
Starting Flow	1/32 gpm
Extreme High Flow (Intermittent)	28 gpm

Meets or exceeds latest revision of AWWA C700 Performance Standards

Physical Characteristics

	inches
Meter length	
Screw Ends	7 1/2
Meter Casing Spuds	
Nominal Thread Size	1
Couplings (Tailpieces)	
Length	2 1/2
Length with Couplings	12 1/2"
Nominal Thread Size	3/4
Weight	5 lbs
Height	4 3/4"

Meets or exceeds latest revision of AWWA C700 Dimensional Standards

- All bronze construction
- Copper can sealed register
- Remote ready
- Tempered glass resist scratching
- Large numbers for easy reading
- Great low flow
- Built-in strainer
- 5-year new meter accuracy warranty
- 25-year standard warranty for body
- Rated to 120°F

RG3 Meter Company

2912 S. Access Rd
Longview, Tx 75602
Phone: 903-753-3456
Fax: 903-753-5678
www.rg3meter.com



Description

Applications - For use in measurement of potable cold water in residential, commercial and industrial services where flow is in one direction only.

Main casing and bottom plate - Main casings are made of a copper alloy that meets the latest AWWA C700 standards. Both Standard Waterworks bronze (UNS C84400) and Low Lead bronze (UNS C89833 and C89836), to meet NSF 61-G and the new Federal Low Lead Law, are available. The serial number is permanently marked on the body, along with the size, direction of flow and manufacturer (RG3). Bottom plates are available in suitable engineering plastic, copper alloy or cast iron.

Main Case	Standard or Low Lead Bronze
Measuring Unit	Thermoplastic
O-Ring	Nitrile Rubber
Magnet	Ceramic Ferrite
Strainer	Thermoplastic
Register Lens	Tempered Glass
Register Housing & Lid	Bronze or Polymer
Gearing Wheels	Thermoplastic



PD-25U0093013

Installation - The meter must be installed in a clean pipeline, free from any foreign materials. The meter shall be installed with the direction of flow as indicated by the arrow cast in the meter case. The meter may be installed in horizontal or inclined lines up to 45°, with the register facing upward.

Strainers - All meters have a strainer installed in the meter. Strainer screens are rigid, snug fitting, easy to remove and have an effective straining area of at least double that of the main-case inlet.

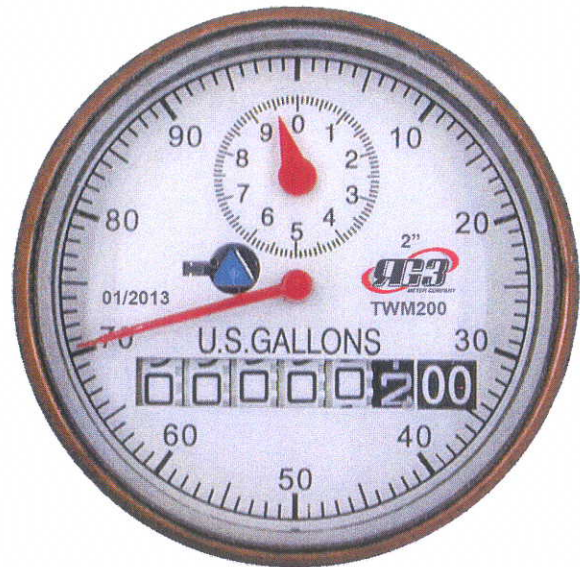
Registers - Are of the dry type with scratchproof glass lens. The register is copper canned and vacuum-sealed so that it becomes impossible for the register to fog.

Register includes the following:

- Company name
- Month and year of manufacture
- Center sweep hand
- Large, easy to read numbers
- Size of meter
- Type of reading (example U.S. Gallons, Cubic Feet, or m3)
- Diamond shaped indicator detecting low flow or leaks

Register includes odometer, which will give the total amount of water. One sweep of the hand will be equal to:

5/8 thru 1" meters 10 gallons/1 cu ft



Connectors - Tailpieces/meter couplings for installation of meters on various types and sizes of pipe are available as an option.

Magnetic Drive - The use of high strength magnets provides positive, reliable and dependable register coupling.

Materials

Main Case	Standard or Low Lead Bronze
Measuring Unit	Thermoplastic
O-Ring	Nitrile Rubber
Impeller	Thermoplastic
Magnet	Ceramic Ferrite
Strainer	Thermoplastic
Register Lens	Tempered Glass
Register Housing	Bronze
Register Lid	Bronze or Polymer
Gearing Wheels	Thermoplastic



RG3 Meter Company
 2912 S Access Road
 Longview, TX 75602
 Phone: (903) 753-3456
 FAX: (903) 753-5678
www.rg3meter.com

Due to continuous research and product enhancements, RG3 Meter Company reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.



PD-25U0093013



Positive Displacement (PD) Meters Warranty

Scope of Warranty

This warrantee applies exclusively to RG3 Meter Company C700 water meters and direct read registers purchased and used in potable water below 120° F in accordance with RG3 Meter Company's published Technical Specifications and when installed in accordance with RG3 Meter Company's published installation instructions, both as in effect as of the date of RG3 Meter Company's shipment of the product. This guarantee applies exclusively to the original utility purchaser when product is purchased from either RG3 Meter Company or an RG3 Meter Company authorized Distributor.

Materials and Workmanship

If used and installed as described above, RG3 Meter Company guarantees product covered by this guarantee to be free from defects in materials and workmanship for a period of 12 months after installation or 18 months after shipment by RG3 Meter Company or its authorized Distributor, whichever occurs first.

Case Integrity

If used and installed as described above, RG3 Meter Company guarantees that the waterworks or low lead bronze main cases of C700 meters will retain their structural integrity for a period of 25 years from date of RG3 Meter Company's shipment.

Register Functionality

If used and installed as described above, RG3 Meter Company guarantees that its direct read registers will function for 25 years from date of manufacture by RG3 Meter Company. Encoder and Pulse register warranties are specified separately.

New Meter Accuracy

If used and installed as described above, RG3 Meter Company guarantees that C700 meters covered by this guarantee will meet or exceed AWWA new meter accuracy standards, per AWWA specification C700, until the first occurring event as specified below:

5/8" 5 years from date of RG3 Meter Company shipment or registered usage of 750,000 U.S. gallons;

3/4" 5 years from date of RG3 Meter Company shipment or registered usage of 750,000 U.S. gallons;

1" 5 years from date of RG3 Meter Company shipment or registered usage of 1,100,000 U.S. gallons;

1 1/2" 5 years from date of RG3 Meter Company shipment or registered usage of 1,600,000 U.S. gallons;

2" 5 years from date of RG3 Meter Company shipment or registered usage of 2,100,000 U.S. gallons.



Repaired Meter Accuracy

If used and installed as described above, RG3 Meter Company further guarantees that C700 meters covered by this guarantee will meet or exceed repaired meter accuracy standards, as published in AWWA Manual M-6 Fourth Edition (1999), Chapter 5, Table 5.3, until the first occurring event as specified below:

- 5/8" 15 years from date of RG3 Meter Company shipment or registered usage of 2,500,000 U.S. gallons;
- 3/4" 15 years from date of RG3 Meter Company shipment or registered usage of 2,500,000 U.S. gallons;
- 1" 15 years from date of RG3 Meter Company shipment or registered usage of 3,250,000 U.S. gallons;
- 1 1/2" 15 years from date of RG3 Meter Company shipment or registered usage of 5,600,000 U.S. gallons;
- 2" 15 years from date of RG3 Meter Company shipment or registered usage of 10,400,000 U.S. gallons.

Extended Low Flow Accuracy

If used and installed as described above, RG3 Meter Company further guarantees that C700 meters covered by this guarantee will meet or exceed low flow accuracy, as specified in AWWA Specification C700, until the first occurring event as specified below:

- 5/8" 5 years from date of RG3 Meter Company shipment or registered usage of 675,000 U.S. gallon;
- 3/4" 5 years from date of RG3 Meter Company shipment or registered usage of 675,000 U.S. gallons;
- 1" 5 years from date of RG3 Meter Company shipment or registered usage of 1,100,000 U.S. gallons;
- 1 1/2" 5 years from date of RG3 Meter Company shipment or registered usage of 1,440,000 U.S. gallons;
- 2" 5 years from date of RG3 Meter Company shipment or registered usage of 1,890,000 U.S. gallons.

Claims

Any meter or register covered by this guarantee that fails to meet the terms of the stated guarantee will be repaired or replaced, at the option of RG3 Meter Company, without additional charge to the customer. The customer is responsible for removing the meter or register from service, returning it to the factory service center designated by RG3 Meter Company, providing a written or electronic (facsimile or e-mail) claim notice, and for freight costs to and from the service center. Customer is also responsible for reinstalling repaired or replaced product.



Limits of Liability

This guarantee does not apply to meters or registers damaged by aggressive water conditions, foreign matter in water, vandalism, negligence, installation not in accordance with RG3 Meter Company's installation instructions, misapplication or other use not as described above, acts of God or other conditions beyond the control of RG3 Meter Company. 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 RG3 Meter Company. The guarantees as to accuracy shall be void if an examination of the customer's water supply shows an unusually adverse effect on metering equipment. Any description of product, whether in writing or made orally by RG3 Meter Company or its agents, specifications, samples, literature, models, bulletins, drawings, diagrams, engineering 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 guarantee.

THE FOREGOING EXPRESS GUARANTEE IS IN LIEU OF ALL OTHER GUARANTEES OR WARRANTIES WHATSOEVER, WHETHER EXPRESS, IMPLIED OR STATUTORY (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 RG3 METER COMPANY'S AND ITS DISTRIBUTORS' SOLE LIABILITY ON ANY CLAIM, WHETHER IN TORT (INCLUDING STRICT LIABILITY), NEGLIGENCE, CONTRACT, WARRANTY OR OTHERWISE, FOR ANY METER OR REGISTER WHICH FAILS TO MEET THE TERMS OF THE GUARANTEE STATED ABOVE, SHALL BE LIMITED TO REPAIR OR REPLACEMENT AS DESCRIBED ABOVE. IN NO EVENT SHALL RG3 METER COMPANY AND/OR ITS DISTRIBUTORS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS OR REVENUE, LOSS OF USE, COST OF CAPITAL, COST OF SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME COSTS, DELAYS AND CLAIMS OF CUSTOMERS OF THE CUSTOMER OR OTHER THIRD PARTIES.

Specification Sheet

PD-25 - Tesla RF Meter Size: 5/8 x 3/4

Specifications

Size	5/8 x 3/4 in.
Typical Operating Range	1 - 20 gpm
100% \pm 1.5%	1/8 gpm
Low Flow (95% - 101%)	15 gpm
Max Continuous Operating Flow	20 gpm
Max Operating Capacity	7.0 psi
Pressure Loss at Max Flow	122°F
Max Operating Temperature	1/32
Starting Flow	150 psi
Max Operating Pressure	Spread Spectrum
RF Technology	LCD
Display/Dial	

Meets or exceeds latest revision of AWWA C700 Performance Standards

Physical Characteristics

	inches
Meter length	
Screw Ends	7 1/2
Length With Couplings	12 1/2"
Meter Casing Screw Ends	
Nominal Thread Size [NPSM]	1
Couplings (Tailpieces)	
Length	2 1/2
Nominal Thread Size	3/4
Weight	5

Meets or exceeds latest revision of AWWA C700 Dimensional Standards

- Integrated 1-Watt AMR transceiver
- Unlicensed Frequency (902MHz - 928MHz)
- Standard or low lead bronze
- Stainless steel can sealed register
- Polymer housing
- Large numbers for easy reading
- Great low flow
- Built-in strainer
- 5-year new meter accuracy warranty
- 25-year standard warranty for body
- Rated to 120°F

RG3 Meter Company
2912 S. Access Rd
Longview TX 75602
903-753-3456
www.rg3meter.com



Description

Applications - For use in measurement of potable cold water in residential, commercial and industrial services where flow is in one direction only. Register includes an integrated 1-Watt RF transceiver for drive-by wireless automated meter reading.

Main casing and bottom plate - Main casings are made of a copper alloy that meets the latest AWWA C700 standards. Both Standard Waterworks bronze (UNS C84400) and Low Lead bronze (UNS C89833 and C89836), to meet NSF 61-G and the new Federal Low Lead Law, are available. The serial number is permanently marked on the body, along with the size, direction of flow and manufacturer (RG3). Bottom plates are available in suitable engineering plastic, copper alloy or cast iron.

Register housings - Register housings are made of suitable engineering plastic. The tamper resistant retaining pin is made of stainless steel.

Measuring chambers - Measuring chambers are made of suitable engineering plastics to meet AWWA C700 Standards. The piston has approximately the same specific gravity as water. All spindles are stainless steel.





Tesla RF Component Warranty

Tesla RF Registers and Tesla EXT external transmitters (herein know as "product") are warranted to be free from defects in materials and workmanship for ten (10) years from date of shipment by RG3 Meter Company and at a prorated replacement cost of list price during the following ten (10) years based on the discounted rate value listing below.

All other Tesla RF System components are warranted to be free from defects in materials and workmanship for one (1) year from date of shipment by RG3 Meter Company. If a product fails to perform as warranted, RG3 Meter Company will repair or replace the product, at RG3 Meter Company's sole option, at no charge to the customer, subject to the terms of the warranty. This warranty shall not be applicable to products that have been damaged by willful misconduct, negligence, vandalism, act of God, exposure to adverse service conditions or improper installation, use or repair.

RG3 Meter Company's liability under this warranty is expressly limited to repair or replacement of the product, at RG3 Meter Company'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 RG3 Meter Company. The product replaced becomes the property of RG3 Meter Company.

RG3 Meter Company further warrants that any Tesla RF Register or Tesla EXT external transmitter installed shall be free from battery defects in manufacturing and design for a period of ten (10) years from the date of shipment in the relevant Tesla RF product (such period is defined as the "Battery Warranty Period"). RG3 Meter Company will repair or replace a product that is non-performing due to battery failure free of charge for the first ten (10) years and at a prorated replacement cost based on the current list price during the remaining ten (10) years as follows:

Year of Failure Replacement Cost

Years	Replacement Cost
1-10	Full Replacement
11	30%
12	35%
13	40%
14	45%
15	50%
16	55%
17	60%
18	65%
19	70%
20	75%



DISCOUNT PERCENTAGES WILL BE APPLIED AGAINST PUBLISHED LIST PRICES IN EFFECT AT THE TIME THE PRODUCT IS ACCEPTED BY RG3 METER COMPANY 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, RG3 METER COMPANY DISCLAIMS ANY AND ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THESE WARRANTIES SHALL BE VOID IN THE EVENT THAT THE FAILURE OR DEFECT IN THE LISTED PRODUCT HAS ARISEN AS A RESULT OF THE PRODUCT BEING USED FOR ANY PURPOSE OTHER THAN THAT WHICH WAS INTENDED AND APPROPRIATE AT THE TIME OF MANUFACTURE INCLUDING USE IN A CONFIGURATION OTHER THAN AS RECOMMENDED BY RG3 METER COMPANY OR AS A RESULT OF IMPROPER INSTALLATION OR MAINTENANCE. RG3 METER COMPANY'S LIABILITY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE. RG3 METER COMPANY SHALL NOT BE SUBJECT TO AND DISCLAIMS THE FOLLOWING: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY (2) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY RG3 METER COMPANY, OR ANY UNDERTAKINGS, ACT OR OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL, INCIDENTAL, SPECIAL, MULTIPLE, EXEMPLARY, AND PUNITIVE DAMAGES WHATSOEVER.

