ZENNER USA

All that counts.

Metering Technology To Match Your Every Metering Need

Not all meters are created equal

7 need-to-know features on ultrasonic meters

Introducing the Game-Changing Residential Ultrasonic Meter

ZENNER Model ZSUR Ultrasonic Residential Water Meter

With Field Replaceable Battery

½" - 2"

Featuring:

- **Replaceable Battery**
- **Replaceable Interface Cable**
- **1/4 Second Sampling Rate**
- **5 Automatic Temp Compensation Levels**
- **Bronze Body**
- **Open Tube Construction**
- **Square Tube Design**

ZENNER Ultrasonic Residential Meters are designed for applications where high accuracy, long life and a dynamic flow range is desired. The highly advanced, alldigital technology achieves precise measurement without any moving parts, ensuring optimum revenue without compromised performance over time.

INTRODUCING the Revolutionary Designed STEALTH Ultrasonic Flow Meter

ZENNER Model ZSU Ultrasonic Commercial Water Meter

- Conforms to both AWWA C715 and C750 Standards.
- No moving parts result in a meter without accuracy loss over its life.
- Compensates for temperature changes in the water lines so that accuracy in billable revenue is maintained as water temperatures change.
- Best warranty in the industry.
- Designed around factory replaceable batteries to safe-guard your investment.
- Water straightening design makes it possible to go from 90° to 90° while maintaining meter accuracy.
- Measures forward, reverse and cumulative flows.
- Displays current flow rate.
- Designed for use in both AMR/AMI and SCADA clean water applications.

Sizes: 2″-12″

PMN and PPD Meters

Sizes: 5/8", 3/4", 1", 1-1/2", 2"

ZENNER Model PMN Multi Jet Series

- Conforms with AWWA C708 Standards.
- Forgiving design that excels where old infrastructure, particulates and excessive mineral contents prevail.
- Designed for extended-life accuracy resulting in unparalleled capture of billable water.
- Patented wrench pads for ease of installation.
- Easy and inexpensive to upgrade when migrating to AMR/AMI by adding **ZENNER**'s patented ETRU External Encoder.

ZENNER Model PPD Positive Displacement Series

- Conforms with AWWA C700 Standards.
- Proven low wear, oscillating piston design resulting in less water loss and more billable revenue.
- Patented wrench pads for ease of installation.
- Inexpensively upgrade when migrating to AMR/AMI systems by adding **ZENNER**'s patented ETRU External Encoder.

Sizes: 5/8", 3/4", 1", 1-1/2", 2"

Hydrant Meters

ZENNER Model FHD Fire Hydrant Meter

- Conforms with AWWA C701 Standards.
- ZENNER's patented FHD meter comes with built-in dual check valves, removable strainer, and integrated Zurn-Wilkins RPZ making this 55Lb meter small & light for easy transport while putting minimal stress on the hydrant.
- Standard with Integrated test ports keeping backflow programs in mind.
- Integrated stand comes standard to further reduce torque on the hydrant.
- Complete parts availability for ease of maintenance and meter durability.

ZENNER Model FHZ Fire Hydrant Series

- Conforms with AWWA C701 Standards.
- Designed to be an affordable meter for custom configurations.
- Three different models (FHZ20, FHZ25, FHZ30) to accommodate any add-on product you may want to attach to the meter.
- The meter is designed around an easily replaceable unitized-measuring-element, that can be changed out in minutes.

Retrofit Registers

Stop Throwing Away Meters

Cost-effectively utilize remote reading technology such as AMR/AMI

Connection options
ITRON
NICOR
Wire End

Zenner - 5/8" thru 2"
Elster / Amco - 5/8", 1"
Badger, 5/8", 1" (M25 and M70)
Neptune - 5/8, 3/4", 1"
Sensus - 5/8" thru 2"
Master Meter 5/8" - 1"
Hersey 5/8"
RG3 - 5/8 thru 2"

Will Work With Any AMI /AMR Module Offered Today

The ETRU can be programmed to fit the AMR/AMI device of your utility.

Go to AMI/AMR from Direct Reading Meters with a low-cost solution.

ZENNER Encoders for AMR/AMI Technology

ZENNER Externally mounted replaceable Encoder (ETRU)

- **You're guaranteed to never lose your meter reading with the Zenner ETRU Encoder. The mechanical register always acts as a backup.**
- **ZENNER**'s direct-read meters become easy and inexpensive to upgrade for use in AMR/AMI systems with **ZENNER**'s patented ETRU External Encoder.
- Utilizes the same cutting-edge technology as our competitor's solid-state, LED, encoder registers.
- Field programmable for easy replacement.
- Designed to be able to convert from encoded to pulse outputs providing flexibility with different technologies.
- Flexible configurations with multiple connector options such as Nicor, Itron, & Bare Wire.
- **ZENNER** offers replacement registers with ETRUs for use with Neptune, Sensus, Badger, Hersey and Elster direct read meters making it inexpensive to upgrade to AMR/AMI without replacing existing meters.
- Gives your utility and customers visual access to 6 or 7 mechanical dials.
- Comes with a 10-year full replacement warranty and a 10-year prorated warranty.

Turbine Meters

ZENNER Models ZTM, ZTML, ZTMB Turbine Series

- Conforms with AWWA C701 Standards.
- Proven low wear design adept of capturing medium & high flows while maintaining accuracy over time.
- Bronze & Ductile models available to align water conditions with your budget.
- Standardized parts mean fewer items to inventory.
- Easily upgraded from direct reading to reading technology by adding ZENNER's patented ETRU external encoder.
- Complete line-up of accompanying strainers in Bronze and Ductile options are available for use with these and ZENNER's line of dual-body compound meters.

Sizes: 1-1/2" to 12"

Compound Meters

ZENNER Models PMC, PMCB, ZCS and PFS Compound Series

- Conforms with AWWA C703 Standards.
- Designs excel where low, medium and high flow conditions are present (schools, hospitals, hotels, detention facilities, multi-family housing, etc.).
- Both Unibody and Dual Body designs give ZENNER the ability to more evenly match needs with the right technology for your utility.
- Available in Bronze and Ductile Iron options to match your water conditions with the most economic price tag.

ZCS

Sizes: 2" to 12"

PFS

Sizes: 4" to 12"

PMC

Sizes: 3", 4", 6", and 8"

PMCB

Sizes: 2", 3", 4", 6", and 8"

Introducing the SSV Stealth Shut-off Valve

Harness the power to switch water services on and off remotely with the push of a button.

The Zenner SSV enables utilities to shut off and reconnect water services remotely. Available as a handheld-operated system or integrated with the Zenner Stealth AMR/AMI system, the SSV is an effective solution to a host of billing, service, and field issues.

The SSV works with all our connectivity options.

ZENNER Connectivity

ZENNER allows you to choose open-source or managed proprietary servers for backend data management.

LoRaWAN

Open Source
Expandable
Hub solution

Cellular

Great for stand-alone or for reading outlying meters

Ground-Based Mesh

Reliable, Proprietary, Fixed-Network AMI

All your City's/Utility's Connectivity Requirements into a Single Database with ZENNER

For information on ZENNER's connectivity options, contact your local sales rep:

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