



599 South Main / P.O. Box 457
Johnstown, OH 43031
(740) 967-3177 tel. / (740) 967-3519 fax
www.johnstownohio.org

NOTICE

DATE: March 4, 2014

RE: NEW WATER METER AND REMOTE READER SPECIFICATIONS

As of February 17, 2014, the Village of Johnstown changed over to a fixed base meter reading system. With this change, the previously installed ITRON E.R.T (supplied by the Village of Johnstown) will no longer be compatible.

*As of March 4, 2014, the Village of Johnstown will no longer supply the water meter or outside reader for the building. The DEVELOPER/BUILDER will be responsible for the purchase of the water meter and outside remote reader with mounting box (Codified Ordinance #921.04) on all new meter installs. The DEVELOPER/BUILDER's are still required to install the water meter according to Village of Johnstown specification with the new required outside reader and mounting box present at time of meter inspection. If all required items are not present at time of inspection, inspection will be failed. The Village of Johnstown will continue to install the readers/mounting box on the outside of building.

Meter, Outside Reader and Mounting Box can be purchased from:
Ferguson Waterworks
3845 Groveport Road
Columbus, OH 43207
(614) 497-2323

Required Items:

MODEL#-ITEM

**ZPMN02USEEPC- 5/8 X 3/4 WATER METER
2ST2BW- STEALTH READER M.I.U RADIO
2STMUBOX- OUTSIDE MOUNTING BOX**

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT GLEN HACKER AT (740) 967-1139



Jim Lenner
Village Manager



Jack Liggett
Service Director

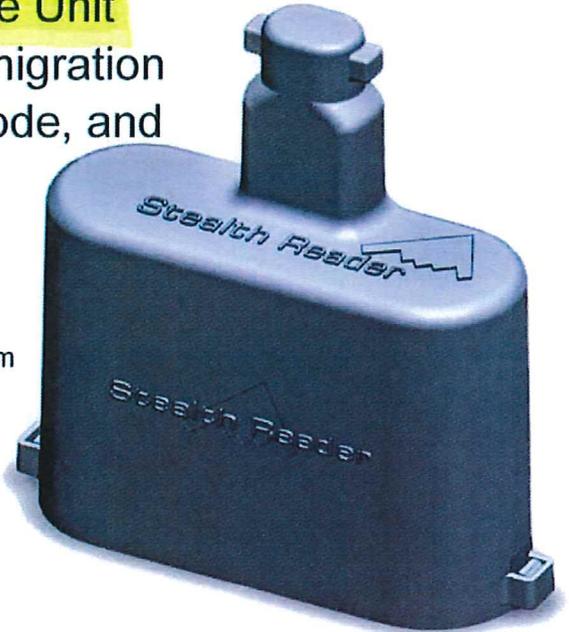
Meter Interface #
outside mount - 2ST mouBox

→ #2ST2BW - MIU.

The **Stealth Reader Meter Interface Unit** allows for 2-way communication, migration from Drive-by to Fixed Network mode, and is meter agnostic.

Hybrid 2-way Drive-By and Fixed Mesh Network

- Deploy first as drive-by and later upgrade to fixed mesh network using the same meter interfaces/inserts.
- Two-way 902-928MHz FHSS drive-by delivers maximum range and penetration.
- True battery fixed mesh network eliminates the need for towers and AC-powered repeaters.
 - Every meter is also a repeater!
- Fixed mesh network is self-forming and self-healing.
 - Meters automatically discover and join the network.

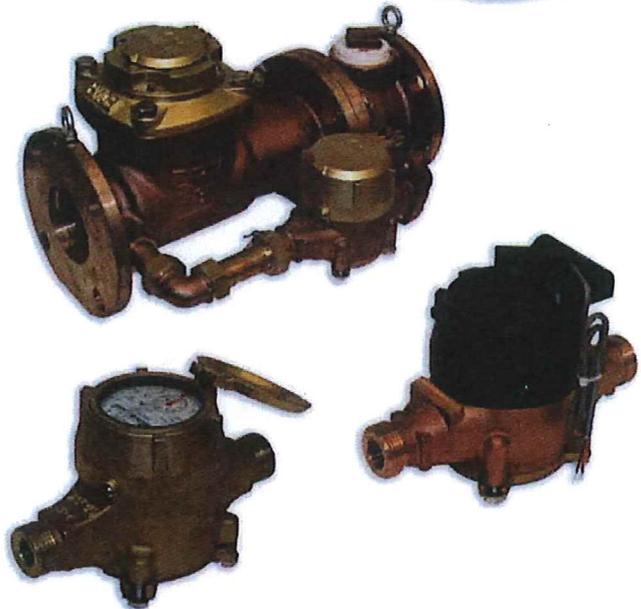


AMR Capabilities

- Log meter readings hourly or daily
- Stores up to 1 year of hourly readings
- Configurable reporting: hourly, 4 hours, daily, etc.
- Detect/report leak, tamper, low battery
- Water conservation monitoring and reporting

Meter Agnostic

- Pulse registers
- Dual-pulse registers
- Encoded registers using most common protocols
 - ABB, Actaris, AMCO, Badger, Neptune, Sensus
- Utilities can mix new meters with installed base



ZENNER PERFORMANCE Multi-Jet Type Magnetic Drive Cold Water Meters

5/8" (DN 15mm)
3/4" (DN 20mm)
1" (DN 25mm)
1 1/2" (DN 40mm)
2" (DN 50mm)



INTRODUCTION: ZENNER PERFORMANCE Multi-jet Water Meters utilize a magnetically driven multi-jet design. They are designed to measure cold potable water where flow is in one direction only in residential, commercial, and industrial settings.

OPERATION: Water flows through the meter's strainer and into the measuring chamber where it drives the impeller. A drive magnet transmits the motion of the impeller to a driven magnet located within the hermetically sealed register. Powerful rare earth magnets eliminate slipping and uncoupling to increase overall accuracy. The magnet is connected to a gear train which translates the impeller's rotation into volume totalization displayed on the register dial face.

CONSTRUCTION: ZENNER PERFORMANCE Multi-jet Water Meters consist of three basic components: main case, measuring chamber and sealed register. The main cases are constructed using either C89833 or C89850 Brass Alloys. Measuring Chambers are constructed of a durable synthetic polymer. Registers are available as either direct read or electronic output.

MAINTENANCE: ZENNER PERFORMANCE Multi-jet Water Meters are engineered and manufactured to provide long-term service and operate virtually maintenance free. The precise simple design allows for interchangeable parts, reducing parts inventory.

REGISTRATION: ZENNER PERFORMANCE Multi-jet Water Meters utilize a magnetically driven, hermetically sealed design. The sealed design eliminates dirt, moisture infiltration, and prevents fogging. The register includes a large odometer-type totalization display, center sweep hand (360°) test circle, low flow leak detector. All ZENNER PERFORMANCE Meters have electronic output capabilities for easy conversion to Automated Meter Reading. 5/8" through 1" capacities are: 10,000,000 Gallons, 1,000,000 Cubic Feet, 100,000 Cubic Meters, 6 odometer wheels. 1 1/2" and 2" registration capacities are: 100,000,000 Gallons, 10,000,000 Cubic Feet, 1,000,000 Cubic Meters, 6 odometer wheels.

CONFORMANCE: ZENNER PERFORMANCE Multi-jet Water Meters are tested and comply with AWWA C708, ISO 4064, and G13IT19001-ISO9000 performance standards.

TAMPERPROOF FEATURES: Customer removal of the register to obtain free water is prevented through the use of a locking device that requires a special tool, only available to water utilities.

CONNECTIONS: These meters have been designed with ease of installation in mind through the use of wrench pads. Tailpiece/Unions for installations of meters are available as an option for various pipe types, sizes, and misaligned pipes.

ZENNER PERFORMANCE

15280 Addison Rd #340, Addison, TX 75001, (972) 386-6611, Fax (972) 386-1814
www.zennerusa.com

MODEL		PMN01	PMN02	PMN03	PMN04	PMN05	PMN07	PMN08	PMN09	PMN11	PMN12
SIZE		5/8 x 1/2	5/8 x 3/4	3/4" Short	3/4" x 3/4"	3/4" x 1"	1"	1-1/2" Female Threads	1-1/2" Flanged	2" Female Threads	2" Flanged
High Flow Rate	USGPM	20	20	30	30	30	50	100	100	160	160
Continuous Flow	USGPM	10	10	15	15	15	25	50	50	80	80
Starting Flow	USGPM	3/64	3/64	5/64	5/64	5/64	5/64	1/2	1/2	3/4	3/4
Normal Flow	USGPM	1 - 20	1 - 20	2 - 30	2 - 30	2 - 30	3 - 50	5-100	5-100	8-160	8-160
Low Flow	USGPM	1/4	1/4	1/2	1/2	1/2	3/4	1 1/2	1 1/2	2	2
Extreme High Flow (Intermittent)	USGPM	25	28	32	32	32	60	120	120	180	180
Maximum Working Pressure	P.S.I.	150	150	150	150	150	150	150	150	150	150
Maximum Temperature	Deg. F	122	122	122	122	122	122	122	122	122	122
Length	Inches	7 1/2	7 1/2	7 1/2	9	9	10 3/4	12 5/8	13	15 1/4	17
Length with Couplings	Inches	12 1/2	12 1/2	12 1/2	14 1/2	14 1/2	16 1/2	-	-	-	-
Height	Inches	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	5	7	7	7	7
Weight	Pounds	4.5	4.5	4.5	6	6.3	7	15	20	21	25

model # ZPMN02USEPC

