SPECIFICATION SHEET

M&E | Poly PD19-NR

Potable Cold Water Meter 5/8” x 3/4” x 7.5”

Specifications

Water Meter

- The PD water meter consists of three major assemblies: a register, a lead-free polymer main case, and a positive displacement (oscillating piston) measuring chamber.
- For reading convenience, the register is mounted hinged on the outlet side of the meter. The lead-free polymer main case is corrosion resistant and is rated for typical municipal applications.
- The positive displacement chamber design of the measuring element ensures maximum accuracy in any installation orientation. The measuring unit is optimized for minimal wear.
- All M&E meters meet or exceed AWWA C700 standards.
- M&E provides a limited warranty. See warranty statement for details.

Register

- Incorporates Accuracy Data Leveling Technology as presented in: https://doi.org/10.1002/opfl.1757
- Built-in BLE communication for configuration and reading.
- Anti-obsolescence: 10-year estimated battery life, under normal operating conditions. Replaceable with CR18505 lithium battery.
- Operating Environment:
  - » IP68 for submersed applications.
  - » Temperature min -4° F
  - » Temperature max 120° F
- Exceeds IP68 requirements.
- Field replaceable, sealed battery.
- Complies with Part 15 of the FCC rules.

Application

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

The register’s powerful and intuitive mobile application allows you to both program as well as collect reads from it without the need of additional costly equipment. This facilitates utilities to both reduce expenses while increasing the efficiency of daily operations.

The measuring chamber is an oscillating piston positive displacement design made of engineered plastics that meet NSF standards. The PD19 is approved by NTEP for horizontal and vertical installations in cold water.



Features

Register

- All M&E -NR meters ship configured to USG
  - » Field configurable to: USG, CF, Liters & Cubic Meters
- Encoded output
  - » All M&E -NR meters ship configured to Sensus encoded protocol
  - » All M&E -NR meters are field configurable to: Neptune, AMCO & Sensus protocols
- Pulse output
  - » Field configurable to pulse output
- Wireless meter reading
  - » Walk by, drive by and 3rd party capable
- Configurable using iOS and Android.

Lead-Free Main Case

- Made from lead-free polymer, with brass threads.
- NSF/ANSI/CAN 61 and 372.
- Electrical grounding continuity.

Measuring Chamber

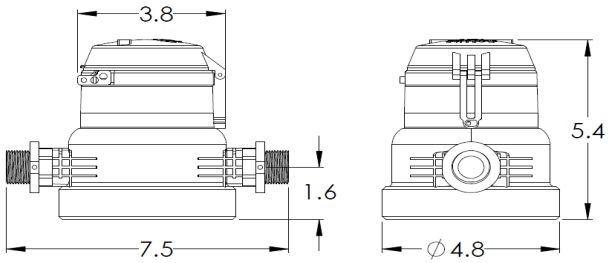
- Oscillating piston measuring chamber.
- Widest effective flow range for maximum revenue.
- Polymer measuring chamber materials maximize long-term accuracy.

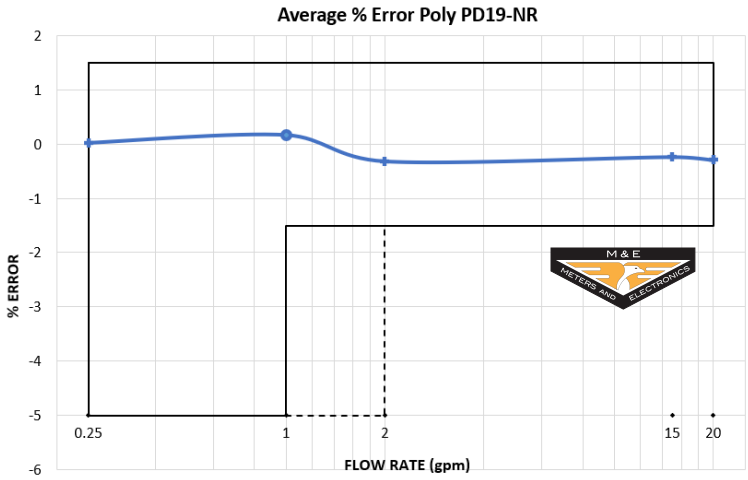
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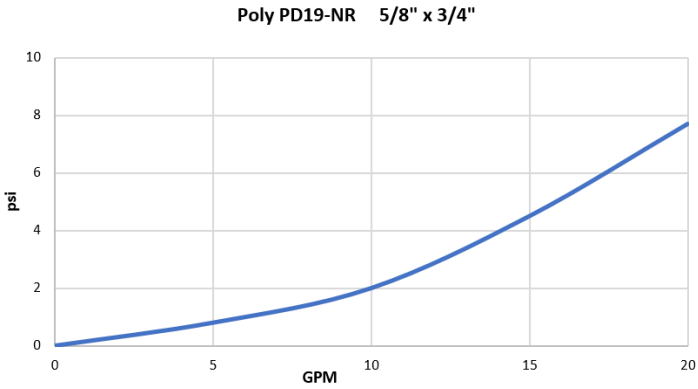
M&E | Poly PD19-NR

Potable Cold Water Meter 5/8” x 3/4” x 7.5”

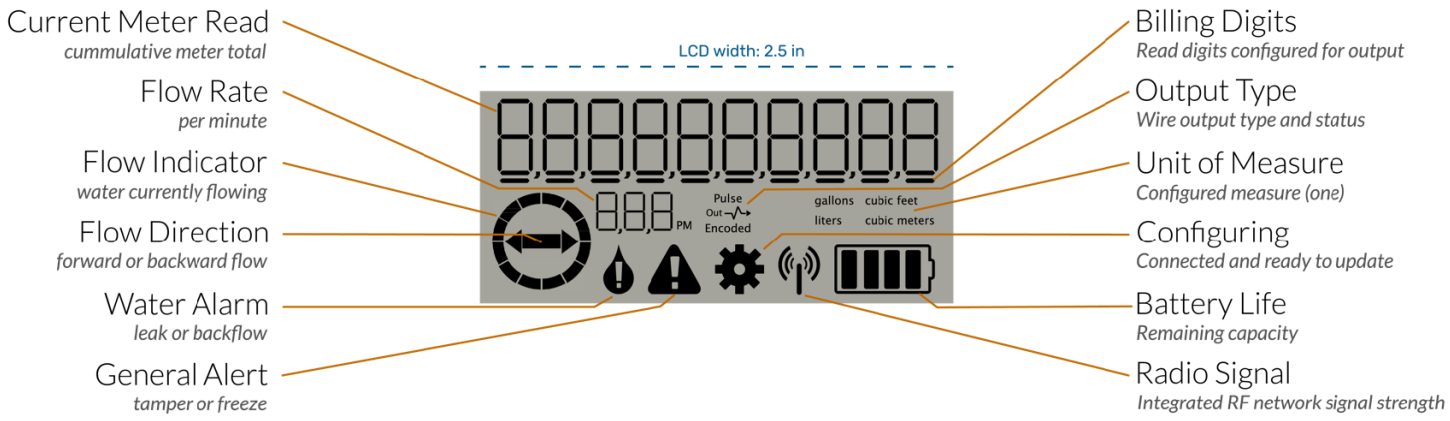
Model # (Poly)	Poly PD19-NR 5/8” x 3/4”
Typical Operating Range +/- 1.5% (GPM)	1/4 - 15
Low Flow (Min. -5%) (GPM)	1/8
Max. Continuous Operating Flow (GPM)	15
Max. Operating Capacity (GPM)	20
Max. Operating Temperature (°F)	120
Max. Operating Pressure (psi)	150
Meter Length Screw Ends (in)	7.5
Meter Casing Spuds, nom thread size	1” NPSM
Overall Height (in)	5.4
Height, bottom to center line (in)	1.6
Width (in)	4.8
Weight (lbs)	2.0
Pulse Resolution (USG)	1 Pulse = 1 USG







Register LCD Display



FOR ORDERS & INQUIRIES:
877-863-8377