

Features

- The H2O Degree WM-1000C is a pulse equipped 5/8" x 3/4" x 7 1/2" lay length cold water meter for submetering applications.
- Equipped with pulse output to interface with H2O Degree pulse counter.
- 360 Degree angle installation flexibility.
- Pulse value: 1/1 gal.
- Low flow/leak indicator.
- Fits tight inside challenging spaces.
- Includes meter couplings.
- Polymer, corrosion-resistant lead-free construction.
- Flushing or testing plug eliminates need for jumper tubes.
- Sustained accuracy for maximum revenue over time.
- Engineered for efficient flow patterns with minimal head loss.
- Quiet operation ideal for inside residential use.
- Meets all applicable AWWA standards; NSF-61 Certified.
- State of California Approved - CTEP Certificate # 5111b-12.
- Operating capacity: 10 gpm
- Normal flow range: 1-20 gpm (+/- 1.5%)
- The WM-1000C water meter has a maximum flow rate of 20 gallons per minute with a pressure loss of approximately 11 psi at the stated maximum flow rate. For additional details visit the full specifications at www.h2odegree.com.
- Five year warranty.



Overview

The H2O Degree WM-1000C is a flexible axis pulse equipped cold water meter that is compatible with the H2O Degree wireless pulse counter.

These quiet and accurate meters fit inside challenging installation including between studs, under counters, along pipes and against walls.

Regardless of pipe angle, the meters are designed so that the measuring chamber can always be positioned horizontally for maximum performance and accuracy.

This meter provides leak detection for the entire apartment based on one pulse per gallon meter reads.

Ordering Information

Model	Description
WM1000C	Cold Water Meter 3/4 inch 20 gpm POLY 1 pulse/gallon (CA approved) includes couplings
WMST075	3/4 inch x 5 inch Spacer tube - for use with WM1400 and WM1600 series meters
M54130	Line Powered Pulse Counter - Indoor (4 channels)
M54130-O	Line Powered Pulse Counter - Outdoor (4 channels)
M54230	Battery Powered Dry Contact Pulse Counter - Indoor (2 Channel)
M54232	Battery Powered Dry Contact Pulse Counter w/ Display indoor (2 Channels)

Technical Specifications

AWWA Standard - Meets or exceeds all sections of Standard ANSI/AWWA C708, most recent revision for cold water multi-jet meters with AWWA bronze main cases. California Approved—CTEP # 5111b-12.

NSF/ANSI Standard 61 - Advanced polymer pressure vessel design is inherently free of any metallic compounds. Optional EnviroBrass unleaded main case available.

Design/Operation - The flow tube provides a straight run of pipe upstream and downstream of the measuring element, conditioning flow for maximum accuracy. Installation flexibility allows the measuring chamber to always be positioned horizontally for high accuracy and long-life operation. A precision engineered measurement chamber and measuring elements deliver virtually noise-free operation critical for inside-set meters.

Flow Tube - Polymer: Corrosion resistant lead-free construction consisting of proven tough, 40% glass-reinforced nylon rated polymer with burst resistance to 750 psi. Threaded and unthreaded meter coupling provides simple, effective installation options. EnviroBrass: Optional unleaded EnviroBrass Flow tubes are available.

Main Case - The flexible axis meter case is constructed of lead-free, Corrosion-resistant 50% glass-reinforced nylon.

Register Sealing - All Direct read and DIALOG® registers are IP-68 rated, permanently sealed with a scratch resistant glass lens, stainless steel base and wrap-around gasket to prevent intrusion of dirt or moisture.

Register Units - Registration available in either U.S. gallons, cubic feet or cubic meters.

Magnetic Drive - A reliable, direct magnetic drive provides linkage between measurement element and register. No intermediate gearing is required; no gearing is exposed to water.

Test Circle - Large center sweep hand with one hundred (100) clearly marked gradations on the periphery of the dial face.

Low Flow/Leak Indicator - ALL DIALOG and direct read registers have a center mounted indicator with high sensitivity resulting from direct one-to-one linkage to the measuring element.

Characteristic	WM-1000C
Operating Capacity	20 gpm
Maximum Rate for Continuous Duty	15 gpm
Maximum Pressure Loss at Maximum Flow	10.9 psi
Normal Flow Range (+/- 1.5%)	1-20 gpm
Minimum Flow (+/-3%)	1/4 gpm
Maximum Working Pressure	150 psi
Meter Casing Spuds, Nominal	1"
Nominal Pipe Size	3/4"
Weight	2.2 lbs
Materials: Main Case	Glass-Reinforced Nylon
Materials: Measuring Chamber	Glass-Reinforced Nylon
Materials: Register	Glass lens, stainless steel case

Pressure Loss Curve

