WM-2200 Hot or Cold Water Meter

LoRaWAN Enabled 1” & 1.5” Multi Jet meter with Electronic Register

Features

- The WM-2200 series Hot or Cold water meter is compatible with H2O Degree LoRaWAN enabled wireless systems.
- Utility grade and sustainable technology (robust & high grade wear resistant materials with brass body): Excellent measuring stability and reliability over meter lifetime and awareness of using a recyclable product.
- NFC Tap and go: Simple commissioning process
- Plug & Play: Easy and fast activation in LoRaWAN (no programming required)
- Performance Driven Design: Long-Distance Network Communication Range
- Integrated monitoring of connectivity and reconnecting mechanism: Robust operation with automatic repair options, e.g. due to gateway failures Singlejet dry-dial meter with magnetic coupling
- Multijet dry-dial meter with magnetic coupling
- Inlet strainer
- Horizontal installation
- Sealed register for tamper resistance
- Typical battery lifetime up to 10 years
- 18 monthly volume key date values
- NTEP Approval CC 21-096A1
- NSF/ANSI 61-G & 372 certified and marked
- MA Plumbing Approval # P-2024-466
- Meets AWWA C708 accuracy standards in horizontal position
- LoRaWAN transmission in license free 915 MHz frequency band
- Data security via AES-128-bit end-to-end encryption over 2 independent security layers
- ADR (adaptive data rate) support gives higher transmission intervals with consistent battery life.
- Five Year Warranty.

Overview

The H20 Degree WM-2200 is LoRaWAN enabled single-jet hot or cold water meter and works with the H2O Degree wireless systems. The WM-2200 water meter is designed with an electronic register for multi-family residential and retail/commercial applications for water consumption monitoring and identification of critical events.

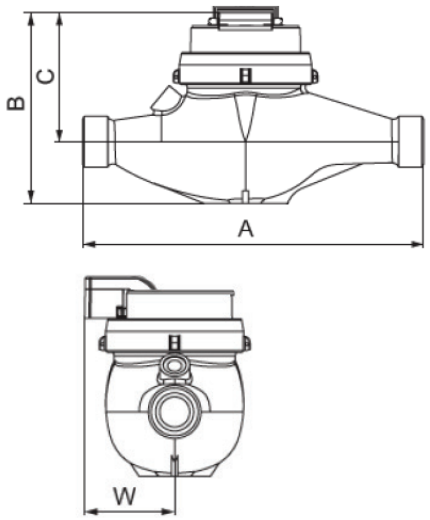
Ordering Information

Model	Description
WM2200C100	Multi jet 1” cold water meter with fully integrated LoRaWAN Radio
WM2200H100	Multi jet 1” hot water meter with fully integrated LoRaWAN Radio
WM2200C150	Multi jet 1.5” cold water meter with fully integrated LoRaWAN Radio
WM2200H150	Multi jet 1.5” hot water meter with fully integrated LoRaWAN Radio

Installation

Pipeline: horizontal —
Meter head: facing up ↑

Dimension Diagram



Technical Data

Nominal pipe size			1"	1½"
Max. operating pressure		psi	230	230
Connection thread on meter		Inch	1¼" NPSM	2" NPSM
Max. continuous flow rate		gpm	44	70
Max. flow rate		gpm	55	88
Min. flow rate (± 3 %)		gpm	0.75	1.5
Max. operating temperature		°F	122	122

Dimensions and weights				
Length without couplings	A	Inch	10.24	11.81
Height	B	Inch	5.31	6.30
Height from pipe centre line	C	Inch	3.58	4.49
Installation depth from pipe centre line	W	Inch	2.24	2.68
Weight without couplings		lbs	5.62	11.51

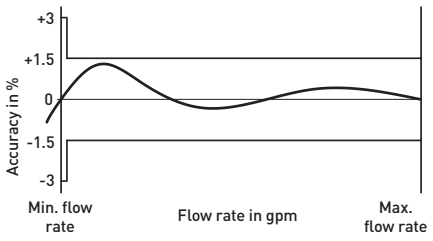
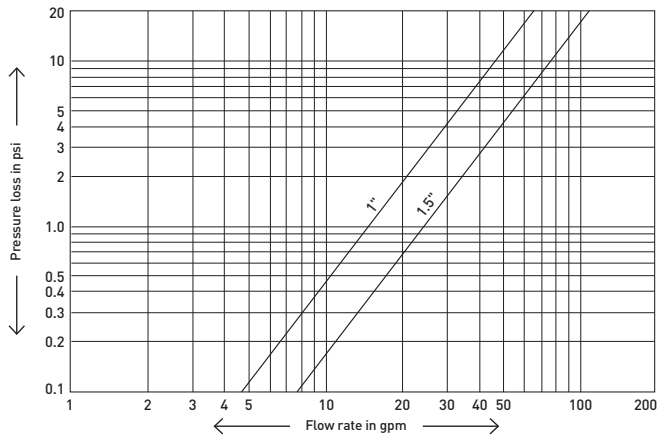
Ambient conditions	
Operational temperature	+ 41 °F to + 131 °F
Transport & Storage temperature	-4 °F to + 158 °F
Register protection class	IP67

Power supply	
Lithium/Mangan battery (not replaceable)	3 V DC
Typical battery lifetime (depending on environment and configuration conditions)	Up to 10 years

Approval	MTK3e
NTEP cold No. CC 21-096A1	■
New York Certificate No. 10767	■
FCC ID: 2A4F7-ERH	■

Certifications	MTK3e
NSF/ANSI 61-G & 372 D.Hot / incl. cold	■
LoRa Alliance Certification (1.0.4 spec.)	■

Accuracy chart



Pressure loss chart