

Smart Mechanical Meter - Lorawan

SMXX-L-ZH

Description

Mechanical water meter designed for precise flow measurement and long-term durability. It has a nylon body and stainless steel valve controlled electronically. It also uses LoRaWAN communication technology for efficient power usage and is compatible with SmartH2O and Connect IoT systems, making it ideal for integrated water management solutions. This meter has been tested and complies with NSF/ANSI/CAN61 - 2022.*

Features

- Nylon body with SS valve.
- Ball valve controlled electronically.
- NPT Thread.
- Lorawan frequency for low power use.
- Visual display of waterflow.
- Designed to work with SmartH2O and Connect IoT systems.

Models

SM15-L-ZH	1/2" NTP
SM20-L-ZH	3/4" NTP

Body

Common Flow Q3 (m ³ /h)	4
Range Ratio (Q3/Q1)	100
Q2/Q1	1.6
Pressure Level	MAP10
Pressure Loss Level	Δp63
Material of case	Nylon
Flow Profile Sensitivity	U10/D5
Environmental Severity Rating	B grade
Electromagnetic Environmental Conditions	E1
Battery Life	6 years
Working Temperature	-20 ~ 75 °C
Protection Class	Maximum IP68
Installation Method	Horizontal or Vertical

Electronics

Communication Protocol	LoRaWAN
Working Voltage	2.7~3.6V
Working Frequency	AU915
RF Modulation	LoRaWAN modulation
Transmitting Power	17-20dBm
Receiving Sensitivity	-136±1dBm
Upload interval	Every 1 hour(configurable)
Quiescent Current	5μA
Transmitting Current	<110mA
Receiving Current	<15mA

