



Advanced Flow Intelligence Water Meter Module Technology



Application Standards

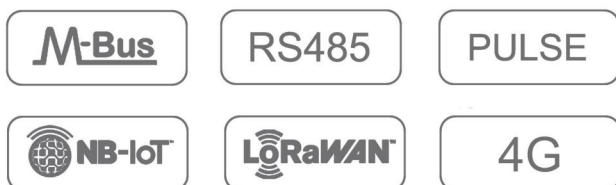
MJWM-15A-20A

Application

MJWM-15A-20A is a multi-connectivity Modules for LoRaWAN, 4G, NB-IoT, M-bus, RS485 etc data collection.

- M-BUS / RS485 Protocol: EN13757
- Modbus Baud Option: 2400 or 9600
- Pulse Option: 1L/Pulse or 10L/Pulse
- LoRa / LoRaWAN Frequency Rate: LoRa Alliance Open Standards
865MHz, 868MHz, 915MHz, 902MHz, 920MHz, etc
- NB-IoT: 3GPP Standards Technology
- 4G / LTE: Open Standards 3GPP

Communication



Features

- Magnetic Interference Alarm
- Tamper Alarm
- Battery Alarm
- Backflow, Reverse Flow Alarm
- Leakage Alarm
- Easy & Secure Installation

Main Technical Specifications

Functional Specifications	
Power source	Lithium batteries
Protection	IP 68
Relative humidity	0 to 100% - submersible
Operating temperature	-10°C / +55°C
Accidental temperature	-20°C / +70°C
Battery lifetime	Up to 14 years
LoRaWAN specification	
Frequency	865MHz, 868MHz, 915MHz, 902MHz, 920MHz, etc
Encryption	AES128
Standardisation	LoRa-Alliance open standard
NB-IoT specification	
Baud	LTE B1/B2/B4/B5/B8/B12/B13/B17/B18/B19/B20/B26 /B28 /B66, support custom frequency baud configuration
4G specification	
Baud	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B26/B28/B38/B39/B40/B41/B42/B43/B66
APN Configuration	APN need to be provided

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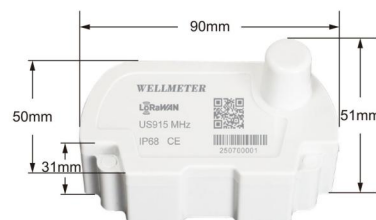
Radio walk-by handheld unit



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Interoperable With Open Standards

LoRaWAN / NB-IoT / 4G

