ENBAYA METERS

PPZLU SPL

Split Ultrasonic Prepaid Water Meter

The ZLINK prepaid residential water meter is a static meter operating on ultrasonic measurement technology with keypad CIU. It is tailored to newly developed vending with respect to International STS1 and STS2 standards; guaranteeing token algorithm security, helping eliminate bad debt and improving cash management.

The ZLINK performs accurate metering of water consumption with long-term stability. ZLINK is integrated with a wide range of IoT technologies to fit various application scenarios.

Features

- Ultra-low starting flow: down to 2 L/h
- Very wide measurement range of R400 and R500
- Friendly large LCD displays various flow and alarms
- No wearing parts, excellent long-term stability and reliability
- With stainless steel ball valve, automatically rotates regularly to prevent scaling
- Bi-directional flow measurement
- Empty pipe structure, indifferent to sand and particles in the flow
- Battery powered with lifetime of more than 8 years
- Protection level: Submersible-IP68
- Installation in any position, no air measuring
- Actively defend against magnetic attacks by automatically closing the valve and displaying an alarm

Technical Specifications

Standard	ISO4064 / EN14154 / NRCS CERTIFIED
Q3/Q1=R	R500/R400
Precision Class	Class 2
Pressure Loss	25kPa
Maximum Working Pressure	1.6MPa
Working Environment	Temperature: -25~+55°C, Humidity ≤100%(RH)
Liquid Temperature Class	T30/T50
Working Environment	Temperature: -25~+55°C, Humidity ≤100%(RH)
Resolution of Volume	0.0001~ 99999.9999 m3
Flow Profile Sensitivity Class	U0D0

Technical Specifications

Climate and Mechanical Environment Safety Level	O
Electromagnetic Environment Class	E2
Power Supply	3.6V Lithium Batteries, Up to 8 Years
Protection Class	IP68
Materials	PPO
Data Storage	For errors, alarms and measuring values, data logging capabilities to record up to 14*24 hourly, 366*daily, 72* monthly value

Communication Interface

Pulse	Optocoupler high speed pulse, suitable for pulse verification Hall pulse, suitable for the field detection of cumulative volume
4-20mA	4-20mA current loop output corresponding instantaneous flow. The upper limit of flow corresponding to 20mA can be limited
RS485	Low power RS485 communication mode, adopts standard Modbus protocol
RF	Lower power consumption RF communication mode
M-bus	EN13757 protocol, bus communication
NB-IoT	With narrow band of 180kHz it can be directly deployed in GSM, UMTS or LTE networks to enable smooth upgrades in future