

HOLLEY 华立



Electronic remote cold-water meter

LXSY-15E~25E

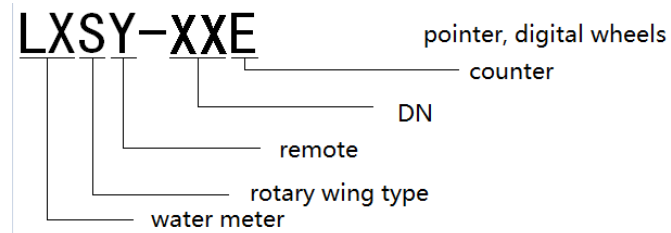
Operation instruction



Holley Technology Co.,Ltd

Product name: electronic remote cold-water meter

Type: LXSY-15E~25E



Application: Used for measuring the total volume of water through the water pipes

Standards: GB/T 778.1~778.3-2007, JJG162-2007, DL/T 645-1997

I. Technical Specification

1. Flow Range

DN mm	Q ₃ m ³ /h	Q ₂ /Q ₁	Q ₂ /Q ₁
15	2.5	80	1.6
20	4	80	1.6
25	6.3	80	1.6

2. Indication Error

Within the scope of the water temperature between

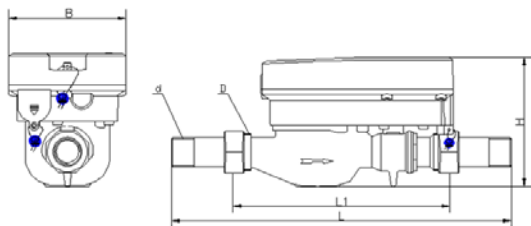
0.1 °C to 50 °C, the maximum permissible error of water meter in high area (Q₂≤Q≤Q₄) is ±2%, and in low area (Q₁≤Q<Q₂) is ±5%。

- operating temperature: 0.1 °C~50 °C
- maximum working pressure: 1.0 MPa
- pressure loss: ≤0.063 MPa
- protection class: IP68

II. Function Parameters

- Support LoRaWAN CLASS A protocol
- Support ABP or OTAA mode
- Physical layer supports frequency band:
 - EU 863-870MHz ISM Band,
 - US 902-928MHz ISM Band,
 - China 779-787MHz ISM Band,
 - EU 433MHz ISM Band,
 - Australia 915-928MHz ISM Band,
 - CN 470-510MHz Band
- Double batteries: ER26500 is the main battery, and it is replaceable. Backed up with a flexible battery for measuring and clock when the main battery is out of service, and it is unreplaceable.
- With RTC, optional periods, and support data frozen.

III Structure and Installation Dimension



DN	Long L	Long L1	Width B	Height H	Connect thread	
					d	D
mm						
15	259	165	96	113	R1/2B	G3/4B
20	299	195	96	113	R3/4B	G1B
25	345	225	96	113	R1B	G1 1/4B

IV. Installation Usage and Maintenance

1. Based on public pipe diameter and flow rate that meet the needs of users to choose appropriate diameter size of the water meter.
2. Water meter must be installed in the straight-line section of a pipeline. The length of straight-line section between the pre-valve and the water meter

shall be no less than 10 times of the water meter caliber; the length of straight-line section between the rear-valve and the water meter shall be no less than 5 times of the water meter caliber. Recommend maximum valve opening when used.

3. Water meter shall be installed where avoid sunlight, water, ice and pollution, easy install, removed and meter reading. Moreover, rainproof and freeze-proof measures should be taken in the rainy and winter seasons.
4. Before installation, clean the pipeline by removing the mud, sand and other things inside the pipe to avoid water meter failure
5. Equipped with a valve in front of the water meter, so as to cut off the water source when under repair
6. Water meters should be installed horizontally, digital wheels of measuring disk shall face upward, and the direction of arrow on the meter case must be consistent with the direction of water flow.
7. If the water meter is installed at the inlet pipe of a boiler, be cautious to prevent the reverse flow of hot water to damage the water meter

V. Application Method

1. Confirm LoRaWAN Working frequency and operating mode
2. Set up APPEUI, DEVEUI and APPKEY



VI. Accessory

2pcs of pipe connections, 2pcs of coupling nuts, 2pcs of seal rings, 1 pc of instruction manual.

VII. After-sale Service

1. With reasonable install and normal use of flow quantity, product quality problems caused by non-human factors, and under complete sealing condition, we provide one-year free warranty. Service hotline: 400-889-5181
2. This product is underwritten by the People's Insurance Company of China. If any losses caused by the water meter quality problems, please call 95518 to report to the insurance company.



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