

LORAWAN WATER METER

(Model: IFLO-LXSY-15~ LXSY-300)



MID



CE



ISO9001



ISO14001



ISO45001



Model: IFLO-LXSY-15

Application:

Water meter for measuring the total volume of tap water flowing through closed pipes.

Material:

Brass Meter body, Brass fitting, Stainless steel cover, stainless steel ball valve.

Characters:

1. Muti-jet
2. Dry/wet dial, Magnetic transmission structure
3. Antimagnetic, Antifreezing
4. Vacuum sealed counter, keep clear in long term.
5. ISO4064, Class A module.
6. Realize remote data transmission, record data, remote stwich valves, prevent customers from maliciously defaulting on water bills. Avoid manual servces such as door to door meter reading and save labor costs.
7. Support non-magnetic inductive metering + loraWAN AMR solution.
8. Available in single/dual reed switch, single/dual hall, inductive pulse etc.
9. Certified for use with potable water.
10. Ideally suited for residential use, typically used by public utilities.

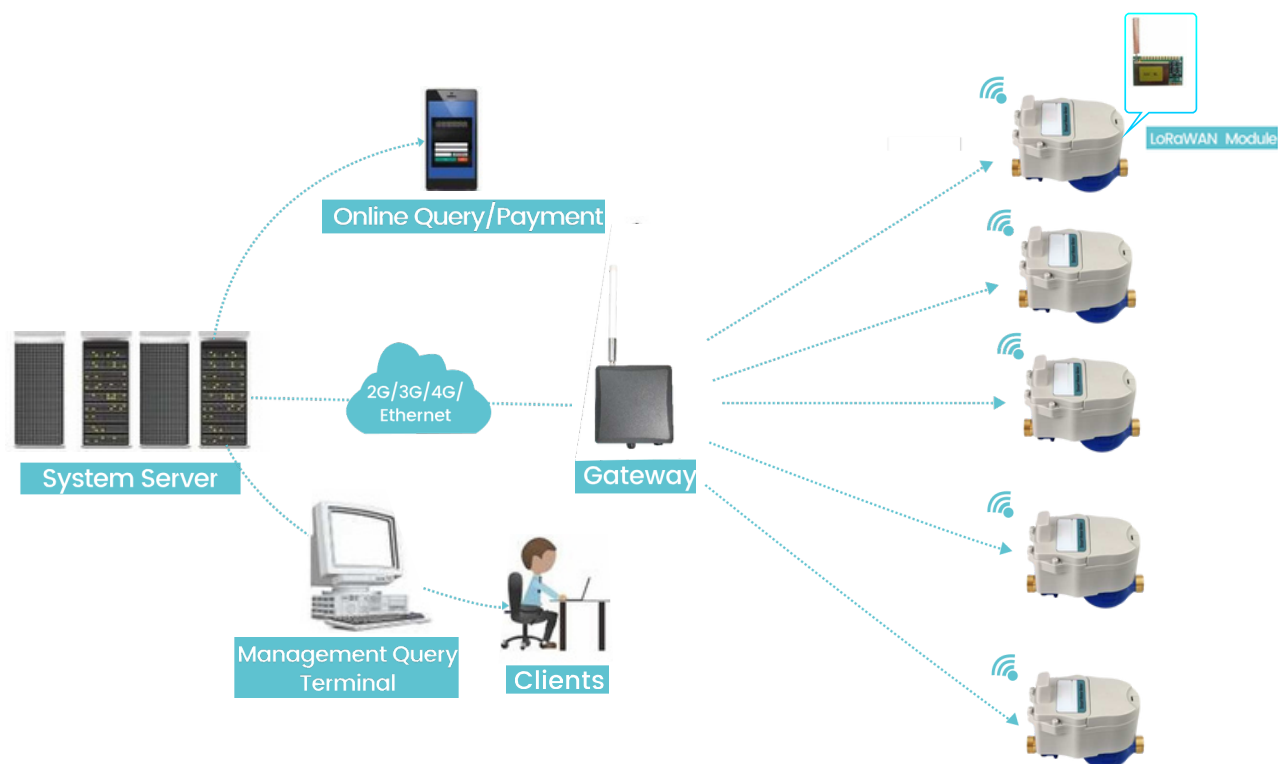
Working conditions:

- ▶ Cold Water: 0.1~50°C
- ▶ Hot Water: 0.1~90°C
- ▶ Pressure: 1.6MPa

Product advantages:

- ▶ Compact design; meter and communication module in the same housing
- ▶ LoRa™ Modem, Integrated Lorawan module-chipset
- ▶ Supports LoRaWAN™- Class A Protocol
- ▶ Supports Wireless LORAWAN Protocol
- ▶ Operating Frequency: 433 to 923 MHz, metering dedicated frequency band, no license required.
- ▶ Power Supply 3.6V Lithium Battery, MID Certified, The battery life of single ER18505M @ 3600mAh can last up to 6-10 years.
- ▶ Electrostatic epoxy painted body made of corrosion-resistant brass alloy
- ▶ Multi jet working principle assures a long service time
- ▶ Low pressure loss, high sensitivity at initial flow
- ▶ Special glass with high resistance to pressure and impact
- ▶ Almost no maintenance. High receiver sensitivity down at-140dBm.
- ▶ Ultra-long communication distance, the line of sight communication distance is 7 km for rural environment and 5 km in urban area.
- ▶ Fully compatible with LoRaWAN standards and devices come from other companies.

Working Principle:



Technical parameter:

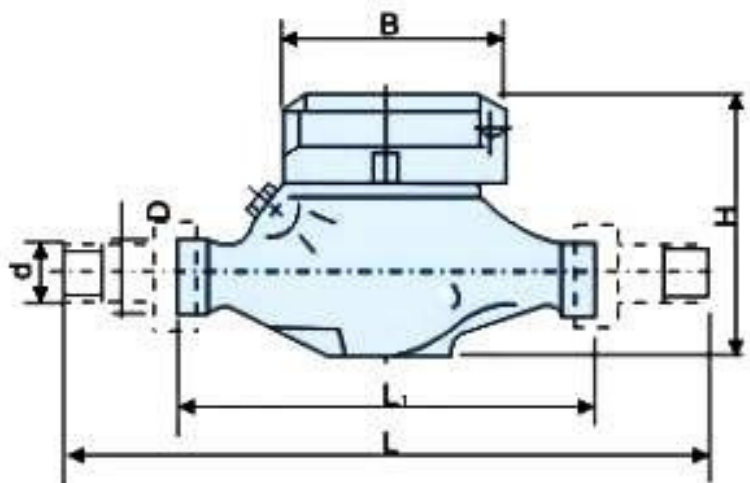
Model-DN	Flow range		Q4	Q3	Q2	Q1	Min. reading	Max. reading
	Q3/Q1	Q2/Q1	m ³ /h				m ³	
IFLO-LXSY-15E	80	1.6	3.125	2.5	0.05	0.03125	0.0001	999999
IFLO-LXSY-20E	80	1.6	5.0	4.0	0.08	0.05	0.0001	999999
IFLO-LXSY-25E	80	1.6	7.875	6.3	0.126	0.07875	0.0001	999999

Dimensions:

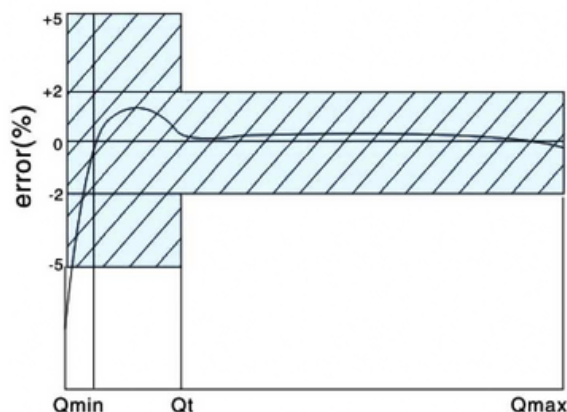
Model		Length(mm)	Width(mm)	Height(mm)	Connection
IFLO-LXSY-15E	Horizontal	165	99	140	GB
IFLO-LXSY-20E	Horizontal	195	99	140	Screw GIB
IFLO-LXSY-25E	Horizontal	225	99	140	Screw GIB

Unit weight:

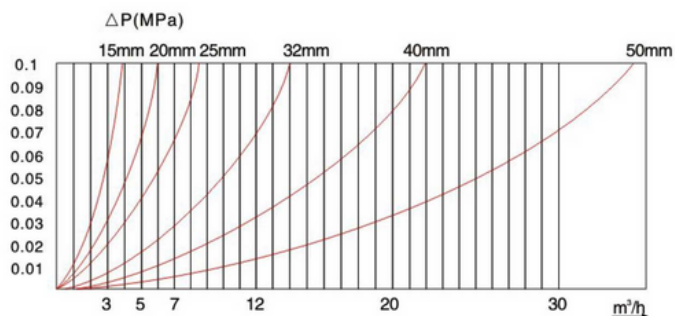
Model	Unit weight (kg)	Net Weight (kg)	Gross Weight (kg)	Quantity per carton	Dimension (mm)
IFLO-LXSY-15E	1.2	1.43	1.6	10	165*100*104
IFLO-LXSY-20E	1.4	1.53	1.8	10	195*100*118
IFLO-LXSY-25E	1.5	1.64	2.0	10	225*104*112



Flow error curve:



Data error curve:



- A. Slow flow ($Q_1 \leq Q < Q_2$) , Max permissible errors: $\pm 5\%$
- B. Water temperature $\leq 30^\circ\text{C}$, Fast flow ($Q_2 \leq Q \leq Q_4$) , Max permissible errors: $\pm 2\%$;
 Water temperature $> 30^\circ\text{C}$, Fast flow ($Q_2 \leq Q \leq Q_4$) , Max permissible errors: $\pm 3\%$.

VALVE Link
All your process control needs

Công ty TNHH Valvelink

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