

Valve-controlled Cold Water Meter



Features

- Low starting flow, the minimum flow is lower than 1/3 of the traditional water meter;
- Water temperature detection, low temperature alarm;
- Abnormal water usage alarm;
- Installation can be done horizontally or vertically without effect on the meter accuracy
- Remotely controlled valve;
- IP68 design for long-term environment protection;
- Meets the requirements for drinking water standards;
- Sizes available: DN15 (1/2"), DN20 (3/4") and DN25 (1")

intellimeter
CANADA INC.
Innovative Metering Solutions

1125 Squires Beach Road, Pickering, ON L1W 3T9
Tel: (905) 839-9199 • Fax: (905) 839-9198intellimeter.ca

www.intellimeter.ca


i-meter
Innovative Metering Solutions

Specifications

| | |
|--|---|
| Precision Class | class 2 |
| Range ratio ($q_p : q_i$) | 250:1 (80:1、 100:1、 160:1、 400:1 optional) |
| Maximum flow reading (m ³) | 99999.99999 |
| Maximum working pressure | 1.0MPa |
| Temperature grade | T50 (T30 optional) |
| Data Logger | Volumes: 480 Daily data;36 Monthly data;16 Yearly data Alarms data: 32 |
| Environmental Protection | IP68 |
| Standards | MID (OIML R49, EN 14154, ISO4064) |
| Environmental rating | Class O |
| Electromagnetic environment level | Class E1 |
| Power Source | 3.6V Li-battery |
| Standard interface | Infrared、 M-Bus |
| Wireless interface | LoRa:470MHz |
| | NB-IoT |

| Nominal diameter DN(mm) | 15 | 20 | 25 |
|--|-------|-------|-------|
| Maximum flow Q_s (m ³ /h) | 3.125 | 5 | 7.875 |
| Common flow Q_3 (m ³ /h) | 2.5 | 4.0 | 6.3 |
| Boundary flux Q_2 (m ³ /h) | 0.016 | 0.026 | 0.04 |
| Minimum flow Q_1 (m ³ /h) | 0.01 | 0.016 | 0.025 |
| Pressure loss grade Δp | 40 | 40 | 40 |

| Nominal diameter | 15 | 20 | 25 |
|-----------------------------|---------------------------------|-------------------------------|----------------------------------|
| L(mm) | 165 | 190 | 260 |
| L1(mm) | 141 | 141 | 141 |
| L2(mm) | 259 | 294- | 345 |
| H(mm) | 92 | 92 | 92 |
| H1(mm) | 31 | 28.5 | 25.5 |
| W(mm) | 102 | 102 | 102 |
| Meter screw thread A (inch) | G ³ / ₄ B | G1B | G1 ¹ / ₄ B |
| Threaded for union B (inch) | R ¹ / ₂ | R ³ / ₄ | R1 |



Innovative Metering Solutions

1125 Squires Beach Road, Pickering, ON L1W 3T9

Tel: (905) 839-9199 • Fax: (905) 839-9198intellimeter.ca



www.intellimeter.ca