



## FEATURES

- No mechanical moving parts, not easy to corrode, stable and reliable, long life, long-term operation without special maintenance.
- The head of the flowmeter can be rotated 360 degrees, which is easy to install and use.
- The pressure and temperature signals are input by sensors, which are highly interchangeable.
- Adopt the domestic leading intelligent anti-seismic technology, which can effectively suppress the interference signal caused by vibration and pressure fluctuation.
- It can directly display the volume flow rate under the working state, the volume flow rate under the standard state, the total amount, and the medium pressure, temperature and other parameters.

## STANDARD PARAMETERS

|                      |   |
|----------------------|---|
| Nominal diameter     | ½" to 12" (DN15-DN300)                                      |
| Power supply         | 24VDC+3.6V dual power supply                                |
| Body Material        | Aluminium alloy/ SS304                                      |
| Medium temperature   | -20...80°C  |
| Ambient temperature  | -30...65°C  |
| Rated pressure       | 1.0 MPa (Customizable more than 1.0MPa)                     |
| Accuracy             | ±0.5%~1.5% Reading  |
| Output communication | Pulse/ 4-20mA/ RS485/ HART                                  |
| Explosion proof      | Exia IIC T6 Ga  |
| Installation methods | Bidirectional measurement, preferably vertical installation |

## FLOW RANGE SHEET

| Flow Range (m³/h) |          |
|-------------------|----------|
| DN15              | 1-10     |
| DN20              | 1.5-15   |
| DN25              | 3-30     |
| DN32              | 6-60     |
| DN40              | 7-70     |
| DN50              | 10-130   |
| DN65              | 20-300   |
| DN80              | 40-400   |
| DN100             | 90-900   |
| DN125             | 100-1000 |
| DN150             | 150-1500 |
| DN200             | 240-3600 |

### ORDERING CODES

#### 1. NOMINAL DIAMETER (mm) **XXX**

**XXX** Three digits, refer to Nominal Diameter Coding Table

#### 2. NOMINAL PRESSURE **1**

|   |        |
|---|--------|
| 1 | 0.6MPa |
| 2 | 1.0MPa |
| 3 | 1.6MPa |
| 4 | 2.5MPa |
| 5 | 4.0MPa |
| 6 | Other  |

#### 3. CONNECTION **1**

|   |           |
|---|-----------|
| 1 | Flange    |
| 2 | Tri-clamp |
| 3 | Thread    |

#### 4. INSTRUMENT TYPE **A**

|    |   |
|----|---|
| N  | Sensor type: +12/24V, three-wire, pulse                                     |
| A  | Transmitter type: +24V, two-wire, 4-20mA                                    |
| B  | Intelligent type; Lithium battery powered, no signal output on-site display |
| C  | Intelligent type; +24V, on-site display, two-wire, 4-20mA                   |
| C1 | Intelligent type; +24V, on-site display, RS485                              |
| C2 | Intelligent type; +24V, on-site display, HART                               |

#### 5. ACCURACY **10**

|    |      |
|----|------|
| 10 | 1.0% |
| 15 | 1.5% |

#### 6. MATERIAL **C**

|   |                |
|---|----------------|
| C | Cast Aluminium |
| S | SS304          |
| L | SS316          |

#### 7. ANTI-EXPLOSION **B**

|   |                |
|---|----------------|
| A | None           |
| B | Exia IIC T6 Ga |

### Ordering Example:

**MT-F110VT-XXX-1-1-A-10-C-B**

### NOMINAL DIAMETER CODING TABLE

| NOMINAL DIAMETER | CODE |
|------------------|------|
| 15               | 015  |
| 20               | 020  |
| 25               | 025  |
| 32               | 032  |
| 40               | 040  |
| 50               | 050  |
| 65               | 065  |
| 80               | 080  |
| 100              | 110  |
| 125              | 112  |
| 150              | 115  |
| 200              | 120  |
| 250              | 125  |
| 300              | 130  |