



## FEATURES

- In the pipeline flow detection, the technology of opening under pressure and installation under pressure is adopted, which can be installed without stopping the water.
- It is used for large pipes with a diameter of DN200mm and above, and has absolute installation advantages and price advantages.
- Flow detection is only related to insertion depth. Strong versatility and strong interchangeability. One model can be applied to the fluid measurement requirements of pipes of various sizes.

## APPLICATIONS

- In the metallurgical industry, it is often used for cooling water flow control in continuous casting, continuous rolling and steelmaking electric furnaces.
- In the field of water supply and drainage of public utilities, electromagnetic flowmeters are often used for the transportation and measurement of finished water and raw water in water plants.
- Food and beverage industry, used for milk, beer, beverage filling and metering.

## STANDARD PARAMETERS

Nominal Diameter	4" to 12" (DN100-DN300)
Range	Liquid: 0.1-12 m/s
Output communication	Pulse, 4-20mA, MODBUS RTU, HART, RS485, Profibus
Accuracy	±0.1% ~ ±0.5% Reading

## DIMENSIONAL DRAWING

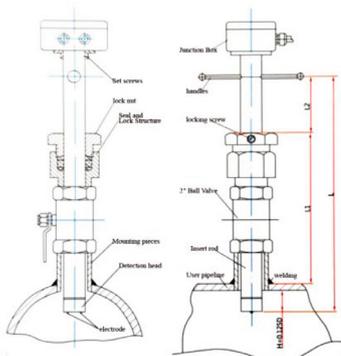


Figure (1)  
Overall structure of sensor with ball valve

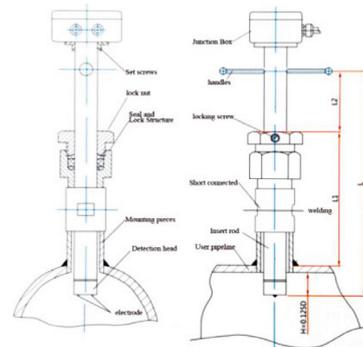


Figure (2)  
Overall structure diagram of sensor without ball valve

### ORDERING CODES

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

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

#### 2. NOMINAL PRESSURE 1

- 1 1.6MPa
- 2 Other

#### 3. CONNECTION 1

- 1 With measuring tube
- 2 Without measuring tube

#### 4. MEASURING TUBE MATERIAL 2

- 1 Carbon steel
- 2 304 Stainless steel

#### 5. ELECTRODE MATERIAL 3

- 1 316L
- 2 Hastelloy B
- 3 Hastelloy C
- 4 Titanium
- 5 Platinum-iridium alloy
- 6 Tantalum

#### 6. STRUCTURE TYPE 5

- 1 Integrated
- 2 Split type
- 3 Split type (immersion)
- 4 Integrated explosion-proof
- 5 Split type explosion-proof

#### Ordering Example:

**MT-F110MG-XXX-1-1-2-3-5-A-1-H-1**

#### 7. POWER SUPPLY A

- A 220VAC
- B 24VDC
- C 12V
- D 3.6V

#### 8. OUTPUT 1

- 1 4-20mADC/pluse
- 2 4-20mADC/RS485 communication
- 3 4-20mADC/RS232c communication
- 4 HART/with communication
- 5 Bus communication

#### 9. CONVERTER FORM H

- H Round
- R Square

#### 10. OTHER OPTION 1

- 1 Ground electrode
- 2 Other

### NOMINAL DIAMETER CODING TABLE

NOMINAL DIAMETER	CODE	NOMINAL DIAMETER	CODE	NOMINAL DIAMETER	CODE
200	120	700	170	1800	218
250	125	800	180	2000	220
300	130	900	190	2200	222
350	135	1000	210	2400	224
400	140	1200	212	2600	226
450	145	1400	214	2800	228
500	150	1500	215	3000	330
600	160	1600	216	-	-