

► INSERTION ELECTROMAGNETIC FLOWMETER



Main 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.

Measuring Medium

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.

► SELECTION TABLE

BTLC		XXX	X	X	X	X	X	X	X	X
Nonimal diameter (mm)	Three digits, refer to Nominal Diameter Coding Table									
Nominal pressure	1. 6MPa		1							
	Other		2							
Connection	With measuring tube		1							
	Without measuring tube		2							
Measuring tube material	Carbon steel			1						
	304 Stainless steel			2						
Electrode material	316L				1					
	Hastelloy B (HB)				2					
	Hastelloy C (HC)				3					
	Titanium (Ti)				4					
	Platinum-iridium alloy (Pt)				5					
	Tantalum (Ta)				6					
Structure type	Integrated					1				
	Split type					2				
	Split type (immersion)					3				
	Integrated explosion-proof					4				
	Split type explosion-proof					5				
Power supply	220VAC						A			
	24VDC						B			
	12V						C			
	3. 6V						D			
Output	4-20mADC/pulse							1		
	4-20mADC/RS485 communication							2		
	4-20mADC/RS232c communication							3		
	HART /with communication							4		
	Bus communication							5		
Converter form	Round								H	
	Square								R	

X	
1	Ground electrode
2	Other

Nominal Diameter Coding Table

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

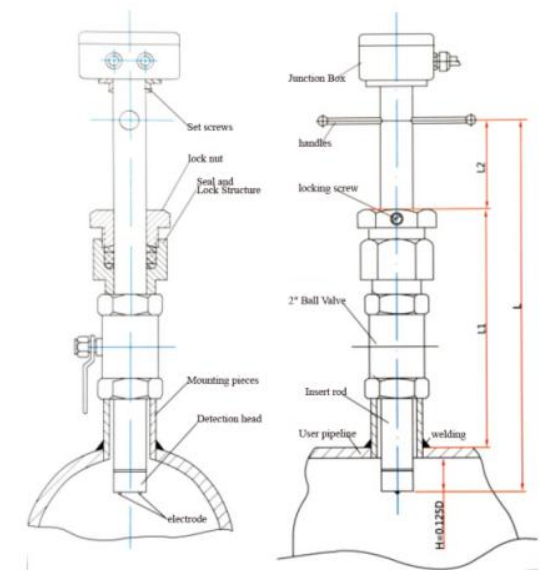


Figure (1)
Overall structure of sensor with ball valve

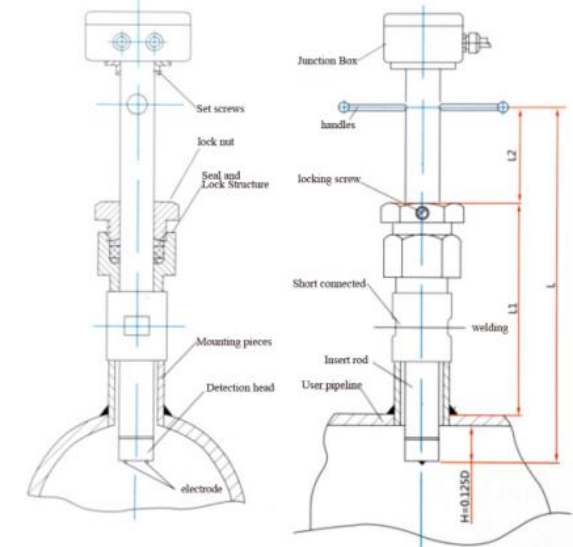


Figure (2)
Overall structure diagram of sensor without ball valve