Insertion Electromagnetic Flow Meter



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.

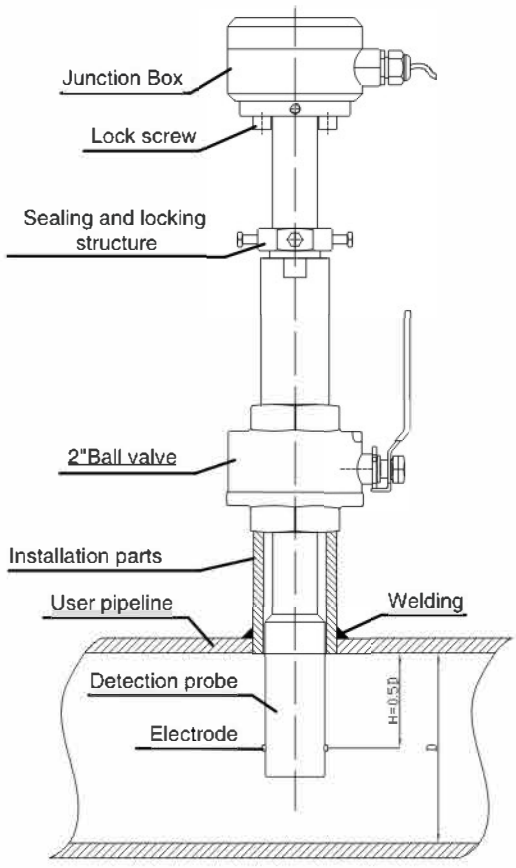
◆ Flow detection is only related to insertion depth. Strong versatility and strong interchangeability. One model can be applied to the fluid measurement requirements of pipes of various sizes.

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.



Insertion Type Electromagnetic Flowmeter Drawing

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Electromagnetic Flow Meter

Selection Table

BTLC	XXX	X	X	X	X	X	X	X	X	X
Nominal 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						
Liner material	ABS				1					
	PTFE				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	Compact type						1			
	Remote type						2			
	Remote 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/pulse								2	
	4-20mADC/RS485communication								3	
	4-20mADC/RS232ccommunication								4	
	HART /with communication								5	
	Bus communication								6	
Converter form	Round									H
	Square									R

Nominal Diameter Coding Table	
Nominal diameter	Coding
150	115
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