

FEATURES

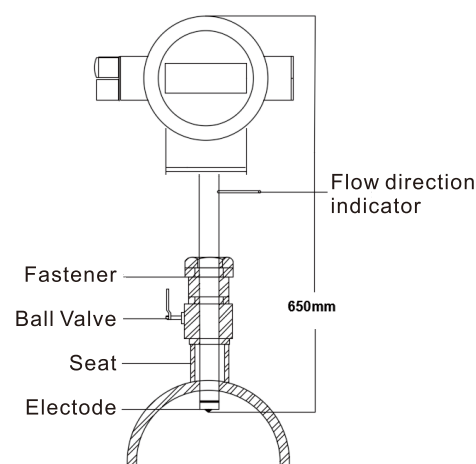
- Insertion electromagnetic flowmeter has absolute installation and price advantages in pipeline flow detection, as it can be easily installed and used for continuous flow detection.
- Applicable to water, sewage or liquids with conductivity $\geq 50\mu\text{S}/\text{cm}$, the conductivity changes will not affect the product performance. It has strong adaptability to complex changes in the fluid, especially suitable for supply and drainage pipeline flow measurement.
- Movable mechanical parts and converter has optimized design and compact structure, easy to install. Converter and sensor are interchangeable and measuring range can be freely changed (0.5m/s~10m/s).
- The flow detection is only related to the insertion depth, so the flowmeter has wide versatility and strong interchangeability. It can be applied to a variety of pipeline specifications and can be connected with any standard secondary meter.
(A) 4~20mA
(B) Impulse
(C) Modbus RS485, HART
- Automatic range switching: The range can be automatically switched to ensure that the full range of accurate measurement when flow changes.
- Positive and negative flow direction calculation: Users can choose positive measurement or reverse measurement (factory setting: positive).
- Upper and lower limit alarm: Users can set the upper and lower instantaneous flow limit, when the flow exceeds the upper limit or lower limit set value, buzzer will alarm or set relay output (user selectable)
- Empty pipe alarm: Under working condition, when measuring empty pipe, the instantaneous flow rate is zero and the left center of the screen will show false alarm.
- Power - off protection: The flowmeter operation results and set parameters will not be lost when the power is turned off, EEPROM can save the set parameters and cumulative value.
- Small signal removal: Users can set the lower limit voltage or lower limit flow rate through the display panel, so as to remove the small signal interference.
- The instrument has "automatic zeroing" function to eliminate electro-chemical interference signals, and the zero point is self-stabilizing.
- The sensor has a variety of protection levels and installation methods, including IP68 for submersible installation.



SPECIFICATIONS

Nominal diameter	300-3000mm
Flow rate range	0.1~10m/s
Accuracy	0.5~10m/s: $\pm 1.5\%$ FS; 0.1~0.5m/s: $\pm 2.0\%$ FS 0.1~10m/s: $\pm 2.5\%$ FS (FS means 40~100% full range flow)
Conductivity	$> 50\mu\text{S}/\text{cm}$
Straight pipe section	Front 10DN, Rear 5DN
Medium temperature	$-20^{\circ}\text{C} \sim 80^{\circ}\text{C}$
Operating temperature	$-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
Pressure resistance	1.6MPa
Protection grade	IP65(integrated/split type), IP68(split type)
Electrode material	316L stainless steel
Output signal	4-20mA; Modbus RS485; HART
Sensor material	201 stainless steel
Powersupply	20~36VDC, 85~250VAC, battery-powered
Power	$< 20\text{W}$
Pressure Resistant Grade	$\leq 1.6\text{MPa}$

DIMENSION(mm)



ORDER REF NO.

CODEAND DESCRIPTION										Remark	
LFLLD										Insertion Electromagnetic Flowmeter	
DN	300·3000									Nominal diameter	
	1.6	1.6MPa								Nominal pressure	
	2.5	2.5MPa									
		1	Tbreated connection							Connection	
		2	Flange connection								
			1	316L						Electrode material	
				1	IP65					Shell protection	
				2	IP68 (Split type)						
					1	Ex db ib q IIC T6 Gb				Explosion-proof marking	
						1	Er split type, Chinese and English menu			Structure	
						2	Eh integrated type, Chinese and English menu				
						☆ 10m cable equiped for split type flowmter. Cable longer than 10m shall need customization.					
							1	85-250VAC		Power supply	
							2	20-36VDC			
							3	Battery operated			
								MA	Button,Dual Line Display,Stardard Output,HART		Converter type
								MB	Button,Dual Line Display,Stardard Output,RS485		
								MC	Button,Dual Line Display,Stardard Output,RS485,HART		
								LA	No signal output (battery-powered optional)		
								LB	Button,dual-line display,RS485(battery-powered optional)		
								LC	Button,dual-line display,4-20mA (battery-powered optional)		
LFLLD-DN300 1.6 1 1 1 1 1 1 MB										Selection Example	