FEATURES
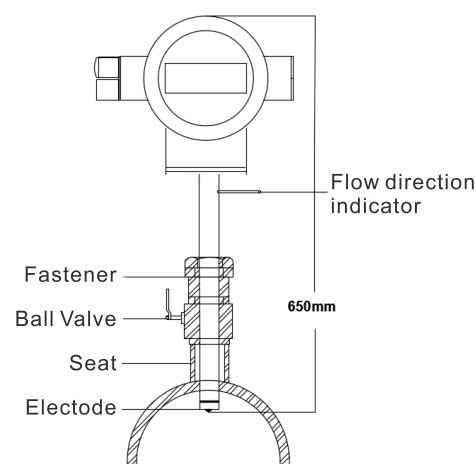
■ Insertion electromagnetic flowmeter has absolute installation and price advantages in pipeline flow detection,as it can be easily installed and used for continuous flow detection.

■ Applicable to water,sewage or liquids with conductivity ≥ 50μs/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 sceen 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:±1.5%FS; 0.1~0.5m/s:±2.0%FS 0.1~10m/s:±2.5%FS(FS means 40~100% full range flow)
Conductivity	>50μs/cm
Straight pipe section	Front 10DN,Rear 5DN
Medium temperature	-20℃～80℃
Operating temperature	-10℃～60℃
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	＜20W
Pressure Resistant Grade	≤1.6MPa

DIMENSION(mm)

Flow direction indicator

Fastener

Ball Valve

650mm

Seat

Electode

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	Tbreaded conneclion								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 Outpout,HART		Converter type
								MB	Button,Dual Line Display,Stardard Outpout,RS485		
								MC	Button,Dual Line Display,Stardard Outpout,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