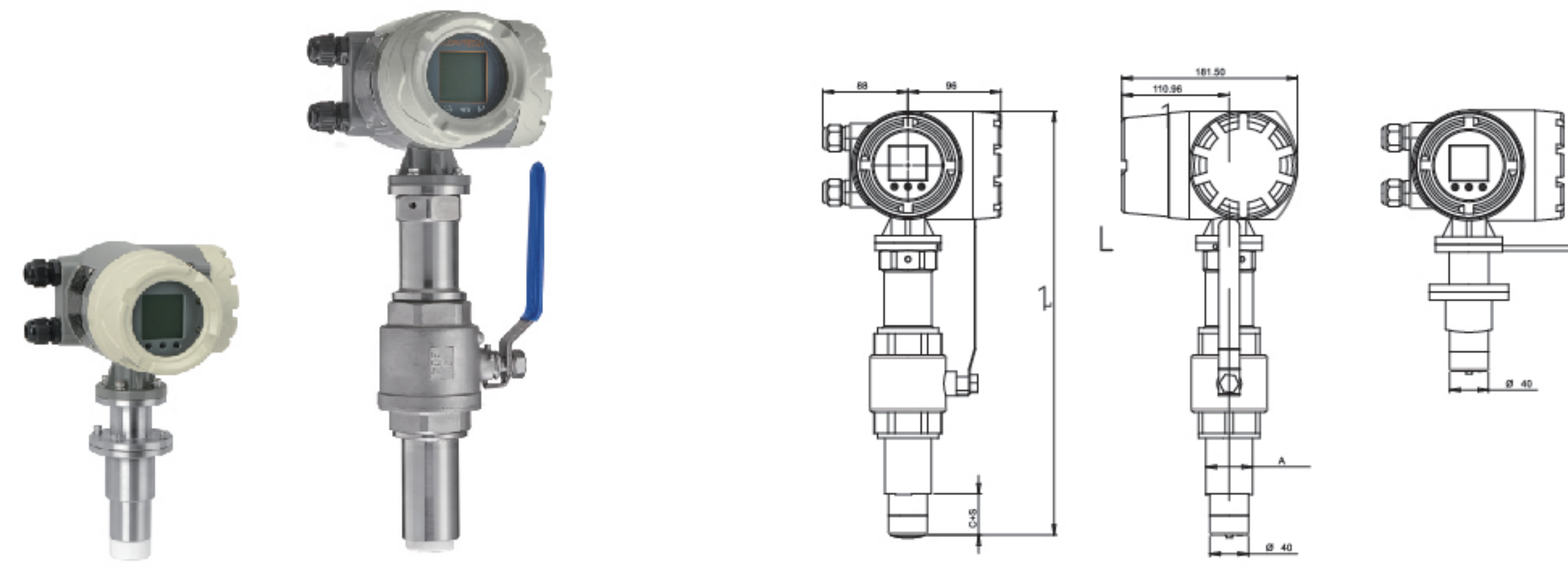


The Series KF700H Insertion Electromagnetic Flowmeter

From DN50 to DN2000, Opening a hole for installation, reducing installation workload, costs, and time.



The Series KF700H Insertion Electromagnetic Flowmeter can be directly installed by drilling a hole on the pipeline, without pipe cutting, reducing construction workload, cost and time. It is also suitable for retrofitting existing pipeline systems, allowing installation and disassembly with water supply uninterrupted. As an economical electromagnetic flowmeter, it is used in HVAC systems. Adopting electromagnetic measurement technology, it has no moving parts, enabling accurate measurement. Its specially designed electrodes can reduce dirt accumulation, and it has minimal requirements for straight pipe sections at the front and rear. They come with 4-20mA output and pulse output, which are used in applications such as remote display or control, data acquisition, and remote measurement.

FEATURES

- Opening a hole directly on the pipe for installation, without cutting the pipe.
- On-site configuration via the display screen to meet application requirements
- Ensures accurate measurement even when temperature, density, or viscosity changes, thereby improving system efficiency;
- Features long service life, low cost, and minimal maintenance needs
- No moving parts, avoiding wear, tear, or damage
- Electrode design with anti-fouling and anti-damage properties
- Adopts an unobstructed flow measurement method, resulting in no pressure loss

SPECIFICATIONS	
Pipe Size	From DN50 to DN2000
Electrode Material	316L Stainless Steel
Liner Material	PTFE
Service	Conductive liquids compatible with the selected material
Medium Conductivity	≥20μs/cm
Accuracy	±2%RD
Flow Velocity Range	0.3m/s - 10m/s
Temperature Rating	-25°C to 80°C
Pressure Rating	PN6,PN10
Enclosure Rating	IP67
Output Signal	4-20mA + pulse + RS485, optional: HART
Power Requirements	Optional: 85-265V AC 50Hz, 85-265V AC 60Hz, or 18-36V DC
Electrical Connections	M20*1.5
Installation Type	Optional with ball valve

APPLICATIONS

- HVAC System
- Textile Industry
- Pharmaceutical Industry
- Semiconductor Industry
- Food and Beverage Industry
- Urban Water Supply and Drainage
- Environmental Protection
- New energy industry
- Shipbuilding Industry

Model Chart											
Example	KF700H	-A2	-300	-1	-L	-1	-B	-1	-xxxx	-xxxx	
Series	KF700H										Insertion Electromagnetic Flowmeter
Converter Type		A2									Integrated Type with MF720 Converter
		B3									Remote Type with MF730 Converter
Pipe Size			50								DN50; Normal flow: 35m³/h; L x A x C x S: 438 x 48 x 6.25 x 3mm
			80								DN80; Normal flow: 90m³/h; L x A x C x S: 438 x 48 x 10 x 3mm
			100								DN100; Normal flow: 140m³/h; L x A x C x S: 438 x 48 x 12.5 x 3mm
			125								DN125; Normal flow: 200m³/h; L x A x C x S: 438 x 48 x 15.625 x 3mm
			150								DN150; Normal flow: 300m³/h; L x A x C x S: 438 x 48 x 18.75 x 3mm
			200								DN200; Normal flow: 600m³/h; L x A x C x S: 438 x 48 x 25 x 3mm
			250								DN250; Normal flow: 900m³/h; L x A x C x S: 438 x 48 x 31.25 x 3mm
			300								DN300; Normal flow: 1200m³/h; L x A x C x S: 438 x 48 x 37.5 x 3mm
			350								DN350; Normal flow: 1800m³/h; L x A x C x S: 438 x 48 x 43.75 x 3mm
			400								DN400; Normal flow: 2000m³/h; L x A x C x S: 438 x 48 x 50 x 3mm
			500								DN500; Normal flow: 3500m³/h; L x A x C x S: 438 x 48 x 62.5 x 3mm
			600								DN600; Normal flow: 5000m³/h; L x A x C x S: 438 x 48 x 75 x 3mm
			700								DN700; Normal flow: 7000m³/h; L x A x C x S: 438 x 48 x 87.5 x 3mm
			800								DN800; Normal flow: 9000m³/h; L x A x C x S: 438 x 48 x 100 x 3mm
			900								DN900; Normal flow: 11000m³/h; L x A x C x S: 438 x 48 x 112.5 x 3mm
			1000								DN1000; Normal flow: 15000m³/h; L x A x C x S: 438 x 48 x 125 x 3mm
			1200								DN1200; Normal flow: 20000m³/h; L x A x C x S: 438 x 48 x 150 x 3mm
			1400								DN1400; Normal flow: 30000m³/h; L x A x C x S: 438 x 48 x 175 x 3mm
			1600								DN1600; Normal flow: 35000m³/h; L x A x C x S: 438 x 48 x 200 x 3mm
			1800								DN1800; Normal flow: 45000m³/h; L x A x C x S: 438 x 48 x 225 x 3mm
			2000								DN2000; Normal flow: 60000m³/h; L x A x C x S: 438 x 48 x 250 x 3mm
Liner Material				1							PTFE
Electrode Material					L						316L Stainless Steel
Installation type						1					With 304 stainless steel Ball Valve
						2					Without Ball Valve
Power Requirements							A1				85-265V AC 50Hz
							A2				86-265V AC 60Hz
							B				18-36V DC
Output Signal								1			4-20mA + Pulse
								2			4-20mA + Pulse + RS485
								3			4-20mA + Pulse + HART
Pipe Size									xxxx		Pipe outer diameter dimensions
										xxxx	Pipe wall thickness dimensions