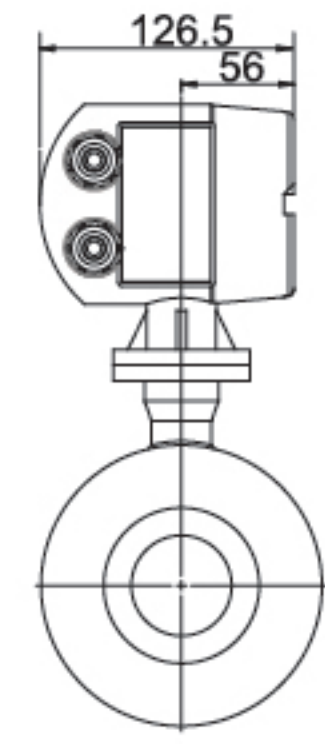
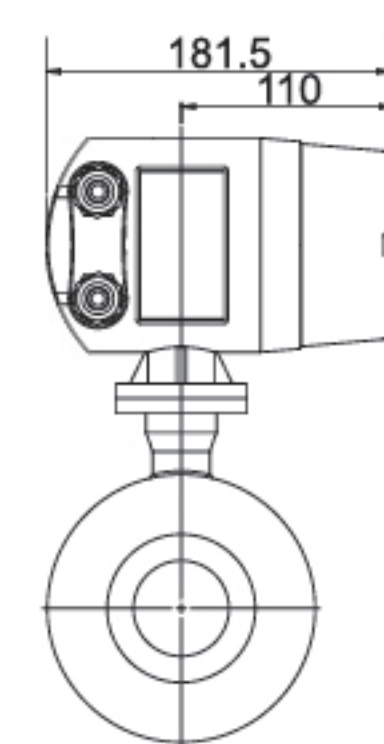


The Series KF700-KA Sanitary Electromagnetic Flowmeter

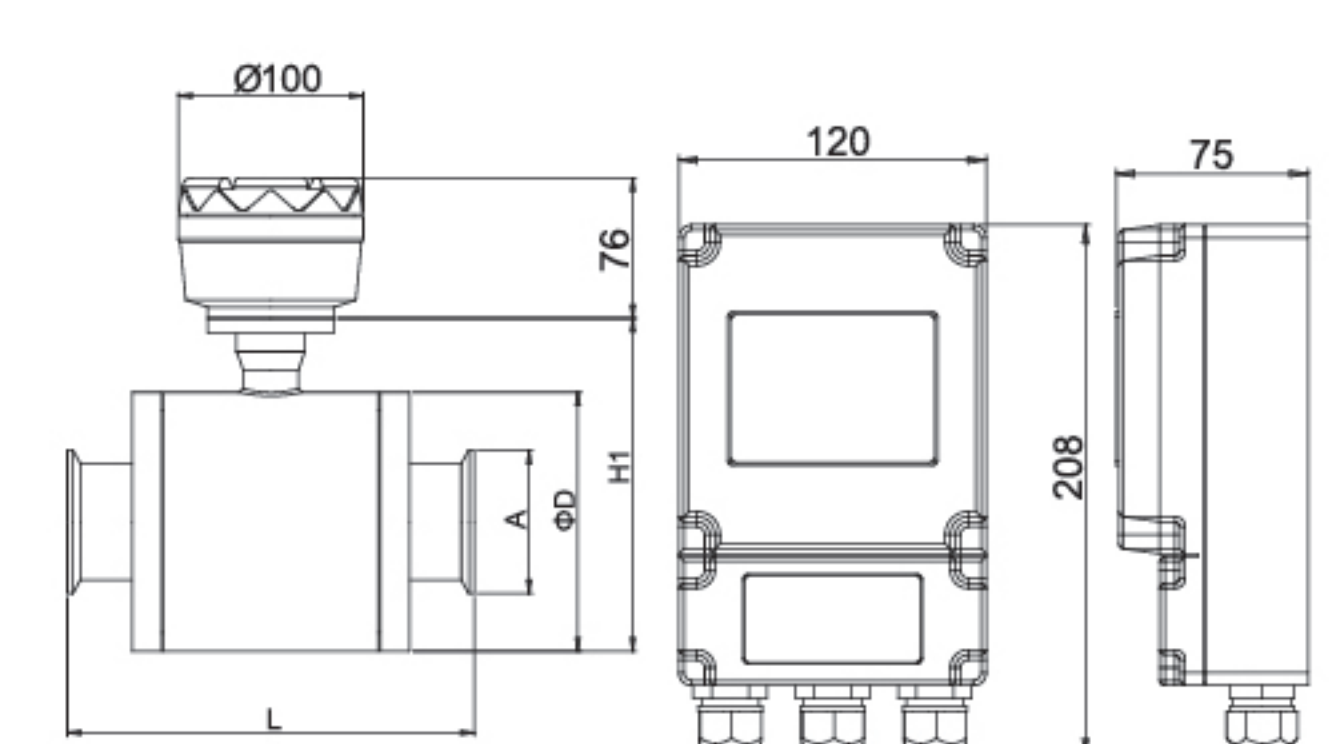
From 10mm to 100mm, accuracy up to ±0.2%, ultra-low conductivity liquids as 1µs/cm



MF710 (mm)



MF720 (mm)



MF730 (mm)

The Series KF700-KA Sanitary Electromagnetic Flowmeter is designed for flow measurement in pipelines with diameters ranging from DN10 to DN100, and is particularly suitable for applications requiring special cleanliness in industries such as food, beverage, and pharmaceuticals. Adopting electromagnetic measurement technology, it has no moving parts, enabling accurate measurement even in applications where liquids contain impurities, with extremely low post-operation maintenance workload. Its specially designed electrodes can reduce dirt accumulation, and it has minimal requirements for straight pipe sections at the front and rear. This series of products can measure liquids with a conductivity as low as 1µs/cm. All models are equipped with indicators for instantaneous flow and totalized flow. 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

- Tri-clamp type quick connection, easy to disassemble and assemble
- Capable of measuring ultra-low conductivity liquids (as low as 1µs/cm)
- Customizable to achieve an accuracy of up to ±0.2%
- 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

APPLICATIONS

- Food and Beverage Industry
- Pharmaceutical Industry
- Biochemical Industry
- Research Center

SPECIFICATIONS

Pipe Size	From DN10 to DN100
Electrode Material	316L; optional: Hastelloy Hc, Hastelloy Hb, titanium alloy (Ti), platinum alloy (Pt), tantalum alloy (Ta)
Liner Material	Optional liners: PTFE, F46, PFA
Service	Conductive liquids compatible with the selected material
Medium Conductivity	>20µs/cm; optional low-conductivity measurement down to 1µs/cm.
Accuracy	Within the range: ±0.5% RD; ±0.2% RD (optional)
Flow Velocity Range	0.3 m/s - 10 m/s
Temperature Rating	PTFE liner up to 130°C; F46 liner up to 150°C; PFA liner up to 150°C
Pressure Rating	PN6, PN10, PN16, PN40 (varies by model)
Enclosure Rating	IP65, IP67, IP68 (varies by model)
Output Signal	4-20mA + pulse + RS485; optional with HART protocol
Power Requirements	Optional: 85-265V AC 50Hz, 85-265V AC 60Hz, or 18-36V DC
Electrical Connections	M20*1.5
Process Connections	Tri-clamp type

Model Chart

Example	KF700-KA	-A1	-25	-1	-L	-3	-2	-1	-A1	
Series	KF700-KA									Sanitary Electromagnetic Flowmeter
Converter Type		A1								Integrated Type with MF710 Converter
		A2								Integrated Type with MF720 Converter
		B3								Remote Type with MF730 Converter
Pipe Size			10							DN10, 0.08m³/h - 1.6m³/h; L x D x H1 x A = 180x91x130x50.5mm
			15							DN15, 0.2m³/h - 4m³/h; L x D x H1 x A = 180x91x130x50.5mm
			20							DN20, 0.3m³/h - 6m³/h; L x D x H1 x A = 180x91x130x50.5mm
			25							DN25, 0.5m³/h - 10m³/h; L x D x H1 x A = 180x91x130x50.5mm
			32							DN25, 0.5m³/h - 10m³/h; L x D x H1 x A = 180x91x130x50.5mm
			40							DN40, 1.2m³/h - 25m³/h; L x D x H1 x A = 200x120x165x64mm
			50							DN50, 2m³/h - 40m³/h; L x D x H1 x A = 220x140x180x77.5mm
			65							DN65, 3.5m³/h - 60m³/h; L x D x H1 x A = 230x150x190x91mm
			80							DN80, 5m³/h - 100m³/h; L x D x H1 x A = 250x160x200x106mm
			100							DN100, 8m³/h - 160m³/h; L x D x H1 x A = 270x190x230x119mm
Body Material			1							304 Stainless Steel
			2							316L Stainless Steel
Electrode Material					L					316L Stainless Steel
					C					Hastelloy Hc
					B					Hastelloy Hb
					T					Titanium (Ti)
					P					Platinum (Pt)
					A					Tantalum (Ta)
Liner Material						1				PTFE (DN25-DN2000), Temperature Resistance up to 130°C
						2				F46 (DN10-DN300), Temperature Resistance up to 150°C
						3				PFA (DN10-DN300), Temperature Resistance up to 150°C
Enclosure Rating							1			IP65
							2			IP67
							3			IP68 (for Remote Type)
Output Signal								1		4-20mA + Pulse
								2		4-20mA + Pulse + RS485
								3		4-20mA + Pulse + HART (applicable only to MF720, 730)
Power Requirements									A1	85 - 265V AC 50Hz
									A2	85 - 265V AC 60Hz
									B	18 - 36V DC