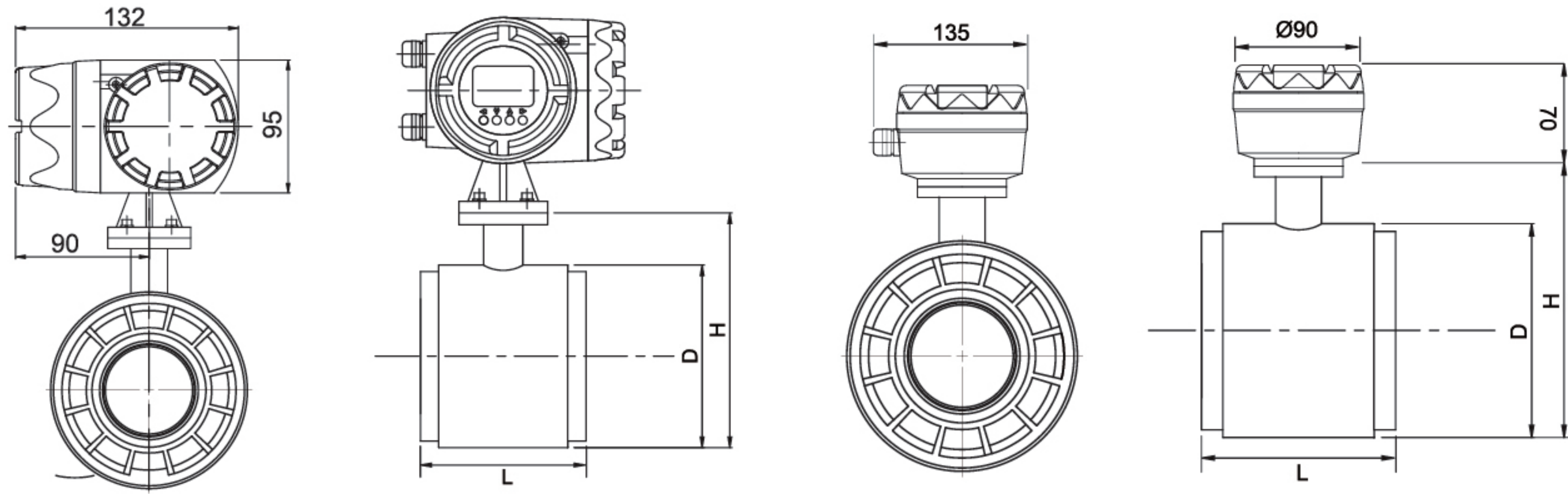


# The Series KF700P PBT Electromagnetic Flowmeter

From 25mm to 100mm, rigid PBT plastic, lightweight, easy to install



The Series KF700P PBT Electromagnetic Flowmeter exhibits strong resistance to various acids, alkalis, salt solutions, and organic solvents. It operates stably in corrosive fluid environments, is corrosion-resistant with a long service life, lightweight, and easy to install, transport, and maintain. Its main body is made of rigid PBT plastic material, offering product strength suitable for most applications. The sealing material is fluororubber. Equipped with built-in grounding electrodes, it minimizes the influence of user piping materials on instrument measurement, ensuring convenient installation and use. 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

- Corrosion-resistant and long service life, lightweight and easy to install.
- 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

- Metallurgical Industry
- Textile Industry
- Pharmaceutical Industry
- Semiconductor Industry
- Food and Beverage Industry
- Environmental Protection
- New energy industry
- Shipbuilding Industry

SPECIFICATIONS	
<b>Pipe Size</b>	From DN25 to DN100
<b>Electrode Material</b>	316L; optional: Hastelloy Hc, tantalum alloy (Ta)
<b>Liner Material</b>	PBT
<b>Service</b>	Conductive liquids compatible with the selected material
<b>Medium Conductivity</b>	>20µs/cm; optional low-conductivity measurement down to 1µs/cm
<b>Accuracy</b>	Within the range: ±0.5% RD; ±0.2% RD (optional)
<b>Flow Velocity Range</b>	0.3m/s - 10m/s
<b>Temperature Rating</b>	-25°C to 100°C
<b>Pressure Rating</b>	PN6, PN10 (varies by model)
<b>Enclosure Rating</b>	IP67
<b>Output Signal</b>	4-20mA + pulse + RS485
<b>Power Requirements</b>	Optional: 85-265V AC 50Hz, 85-265V AC 60Hz, or 18-36V DC
<b>Electrical Connections</b>	M20*1.5
<b>Process Connections</b>	Wafer Type

MODEL CHART								
<b>Example</b>	KF700P	-A1	-25	-L	-Wafer	-2	-A1	
<b>Series</b>	KF700P							PBT Electromagnetic Flowmeter
<b>Converter Type</b>	A1							Integrated Type with MF710 Converter
	B3							Remote Type with MF730 Converter
<b>Pipe Size</b>			25					DN25, 0.5m³/h - 10m³/h; L x D x H = 68x72x113mm,4-M12*138
			32					DN32, 0.8m³/h - 16m³/h; L x D x H = 80x82x123mm,4-M16*150
			40					DN40, 1.2m³/h - 25m³/h; L x D x H = 90x93x134mm,4-M16*175
			50					DN50, 2m³/h - 40m³/h; L x D x H = 95x108x148mm,4-M16*184
			65					DN65, 3.5m³/h - 60m³/h; L x D x H = 102x124x164mm,4-M16*191
			80					DN80, 5m³/h - 100m³/h; L x D x H = 110x138x178mm,8-M16*200
			100					DN100, 8m³/h - 160m³/h; L x D x H = 130x158x198mm,8-M16*220
<b>Electrode Material</b>				L				316L Stainless Steel
<b>Process Connection</b>					Wafer			Wafer Type
<b>Output Signal</b>						2		4-20mA + Pulse + RS485
<b>Power Requirements</b>						A1		85 - 265V AC 50Hz
						A2		86 - 265V AC 60Hz
						B		18 - 36V DC