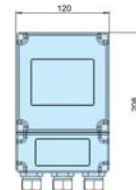
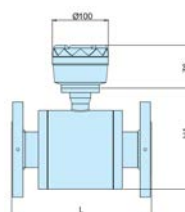
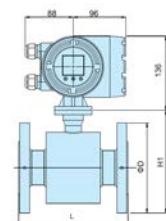
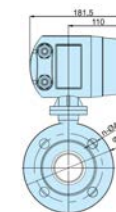
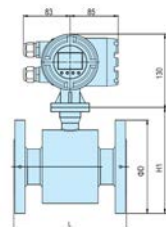
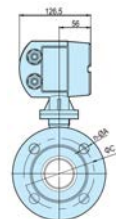


法兰式电磁流量计

口径10mm到2000mm，精度高达±0.2%，可测超低电导率液体(低至1μs/cm)



KF700-FA系列法兰式电磁流量计为管径从DN10至DN2000的管线流量测量而设计，特别适用于市政工程给排水和污水处理，以及所有的工业用水中。它采用电磁测量技术，无任何移动部件，当液体中含有杂质的应用场合也能精准测量，后期维护量工作量极低。其特别设计的电极可减少污垢积聚，并且对于前后直管段要求小。本系列产品能够测量到低至1μs/cm电导率的液体。所有型号都配备有瞬时流量和积算总量指示。带4-20mA输出和脉冲输出，用于远传显示或控制、数据采集、远程测量等等应用场合。

优势/特点

- 可测量至2米的管道
- 可测超低电导率液体(低至1μs/cm)
- 高精度±0.2%RD
- 通过显示屏可现场配置以满足应用需求
- 即使温度、密度或粘度变化，仍确保精准测量，提升系统效率
- 产品寿命长，成本低，维护需求小
- 无活动部件，避免磨损或损坏
- 电极设计防污损
- 采用无阻碍流动的测量方式，无压力损失

应用领域

- | | |
|---------|---------|
| 石油化学工业 | 造纸与纸浆 |
| 冶金工业 | 发电厂 |
| 纺织工业 | 城市供水与排水 |
| 制药工业 | 环境保护 |
| 半导体工业 | 新能源行业 |
| 食品与饮料工业 | 船舶工业 |

技术指标

口径	从DN10到DN2000。
电极材料	标准配置为316L不锈钢，可选HC哈氏合金，HB哈氏合金，Ti钛合金，Pt铂合金，Ta钽合金。
衬里材料	可选氯丁橡胶，PTFE，聚氨酯，F46，PFA，耐高温橡胶，或定制其它材料。
介质	与材质兼容的导电液体。
电导率	标准配置可测量电导率大于20μs/cm的液体，可选低电导率测量功能，能测量低至1μs/cm。
精度	量程范围内±0.5%RD，可选高精度0.2%RD
流速限制	0.3m/s - 10m/s。
温度限制	氯丁橡胶衬里耐温80°C；PTFE衬里耐温120°C；聚氨酯衬里耐温70°C；F46衬里耐温100°C；PFA衬里耐温120°C；耐高温橡胶衬里耐温120°C
压力限制	PN6，PN10，PN16，PN40依据型号而不同。
防护等级	IP67。
输出信号	标准配置为4-20mA + 脉冲 + RS485，可选带HART协议
电源	可选18-265 VAC 50Hz，18-265 VAC 60Hz 或 18-36 VDC。
过程连接	标准配置为国标法兰，可选美标ANSI法兰，日标JIS法兰。

法兰式电磁流量计

口径10mm到2000mm，精度高达±0.2%，可测超低电导率液体(低至1μs/cm)

选型表

举例	KF700-FA	-A1	-B	-50	-2	-1	-1	-HA	备注
系列号	KF700-FA								法兰式电磁流量计
流量计 型式		A1							一体式，带MF710转换器（经济型）
		A2							一体式，带MF720转换器（全功能型）
		B3							分体式，配MF730转换器
材质		A							A3碳钢
		B							304不锈钢
		C							316不锈钢
口径				10					DN10; 满量程从0.3至1.6m³/h; 保证精度最小流量0.08m³/h; PN40; LxDxH1: 150x90x130 †
				15					DN15; 满量程从0.8至4.0m³/h; 保证精度最小流量0.2m³/h; PN40; LxDxH1: 150x95x132.5 †
				20					DN20; 满量程从1.2至6.0m³/h; 保证精度最小流量0.3m³/h; PN40; LxDxH1: 150x105x137.5 †
				25					DN25; 满量程从2.0至8.0m³/h; 保证精度最小流量0.5m³/h; PN40; LxDxH1: 150x115x145
				32					DN32; 满量程从3.0至12.0m³/h; 保证精度最小流量0.8m³/h; PN40; LxDxH1: 150x140x162.5
				40					DN40; 满量程从5.0至20m³/h; 保证精度最小流量1.2m³/h; PN40; LxDxH1: 150x150x172.5
				50					DN50; 满量程从8.0至50m³/h; 保证精度最小流量2m³/h; PN40; LxDxH1: 200x165x187.5
				65					DN65; 满量程从12至80m³/h; 保证精度最小流量3.5m³/h; PN40; LxDxH1: 200x185x202.5
				80					DN80; 满量程从20至120m³/h; 保证精度最小流量5m³/h; PN40; LxDxH1: 200x200x220
				100					DN100; 满量程从30至160m³/h; 保证精度最小流量8m³/h; PN16; LxDxH1: 250x220x230
				125					DN125; 满量程从50至250m³/h; 保证精度最小流量12m³/h; PN16; LxDxH1: 250x250x270
				150					DN150; 满量程从80至400m³/h; 保证精度最小流量18m³/h; PN16; LxDxH1: 300x285x302.5
				200					DN200; 满量程从120至600m³/h; 保证精度最小流量30m³/h; PN10; LxDxH1: 350x340x352.5
				250					DN250; 满量程从200至800m³/h; 保证精度最小流量50m³/h; PN10; LxDxH1: 400x395x407.5
				300					DN300; 满量程从300至1200m³/h; 保证精度最小流量70m³/h; PN10; LxDxH1: 500x445x460
				350					DN350; 满量程从400至1600m³/h; 保证精度最小流量100m³/h; PN10; LxDxH1: 500x505x517.5
				400					DN400; 满量程从500至2000m³/h; 保证精度最小流量120m³/h; PN10; LxDxH1: 600x565x572.5
				450					DN450; 满量程从600至2500m³/h; 保证精度最小流量160m³/h; PN10; LxDxH1: 600x615x622.5
			500					DN500; 满量程从800至3000m³/h; 保证精度最小流量200m³/h; PN10; LxDxH1: 600x670x675	
			600					DN600; 满量程从1000至4000m³/h; 保证精度最小流量300m³/h; PN10; LxDxH1: 600x780x745	
			700					DN700; 满量程从1600至5000m³/h; 保证精度最小流量400m³/h; PN10; LxDxH1: 700x895x892	
			800					DN800; 满量程从2000至6000m³/h; 保证精度最小流量500m³/h; PN10; LxDxH1: 800x1015x1002.5	
			900					DN900; 满量程从2000至8000m³/h; 保证精度最小流量650m³/h; PN10; LxDxH1: 900x1115x1102.5	
			1000					DN1000; 满量程从2500至10000m³/h; 保证精度最小流量800m³/h; PN6; LxDxH1: 1000x1175x1182.5	
			1200					DN1200; 满量程从4000至16000m³/h; 保证精度最小流量1200m³/h; PN6; LxDxH1: 1200x1405x1397.5	
			1400					DN1400; 满量程从6000至20000m³/h; 保证精度最小流量1500m³/h; PN6; LxDxH1: 1400x1630x1610	
			1600					DN1600; 满量程从8000至30000m³/h; 保证精度最小流量2000m³/h; PN6; LxDxH1: 1600x1830x1810	
			1800					DN1800; 满量程从10000至40000m³/h; 保证精度最小流量2500m³/h; PN6; LxDxH1: 1800x2045x2017.5	
			2000					DN2000; 满量程从12000至50000m³/h; 保证精度最小流量3000m³/h; PN6; LxDxH1: 1800x2265x2227.5	
衬里 材质					1				氯丁橡胶 (DN50-DN2000), 耐温80°C
					2				PTFE, 耐温120°C
					3				聚氨酯 (DN25-DN300), 耐温70°C
					4				F46 (DN10-DN300), 耐温100°C
					5				PFA (DN10-DN300), 耐温120°C
					6				耐温橡胶, 耐温120°C
电源						1			85 -265 VAC 50Hz
						2			86 -265 VAC 60Hz
						3			18 - 36 VDC
接地 型式							1		无, 适用于金属管道
							2		三电极, 适用于塑料管道, 经济型接地 †
							3		接地环, 适用于对精度, 稳定性有严格要求的场合
可选项								-HART	4-20mA + 脉冲 + HART (仅MF720和MF730)
								-LC	低电导率液体测量, 可低至1μs/cm
								-HA	高精度: 0.2%RD
								-SL	浆液, 用于煤浆, 纸浆等
								-ET1	特殊金属电极: HC哈氏合金, HB哈氏合金, Ti钛合金
								-ET2	贵重金属电极: Pt铂合金, Ta钽合金
								-ANSI	美国标准法兰 ANSI 150
							-JIS	日本标准法兰 JIS10K	

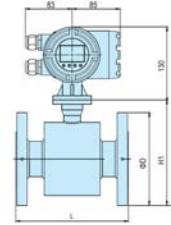
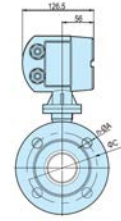
注 † 对于DN10, DN15, DN20口径产品采用三电极接地时, 尺寸L为200mm

Flanged Electromagnetic Flowmeter

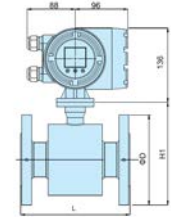
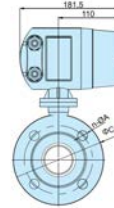
From 10 to 2000mm, up to $\pm 0.2\%$ RD accuracy, can measure ultra-low conductivity liquid (down to $1 \mu\text{s/cm}$)



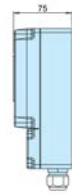
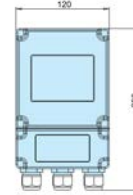
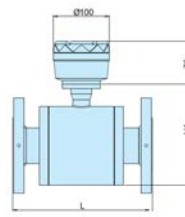
MF710



MF720



MF730



The KF700-FA series flanged electromagnetic flowmeters are designed for flow measurement with diameters ranging from DN10 to DN2000, and they are particularly suitable for municipal engineering water supply and drainage, sewage treatment, and all industrial water applications. It employs electromagnetic measurement technology without any moving parts, allowing precise measurement even in applications where the liquid contains impurities, with very low maintenance requirements. Its specially designed electrodes can reduce dirt accumulation and have minimal requirements for upstream and downstream straight pipe sections. This series of products can measure liquids with a conductivity as low as $1 \mu\text{s/cm}$. All models are equipped with instantaneous flow and cumulative total indication. They come with a 4-20mA output and pulse output for remote display or control, data acquisition, remote measurement, and other application scenarios.

BENEFITS/FEATURES

- Can measure pipe sizes up to 2 meters
- Can measure ultra-low conductivity liquid (down to $1 \mu\text{s/cm}$)
- High accuracy $\pm 0.2\%$ RD
- Meet application requirements with field configurable setup displays
- Maintain system efficiency with high performance accuracy that is maintained through changes in temperature, density or viscosity
- Reduced costs, long product life, minimal maintenance requirements
- No moving parts to wear or break
- Electrodes that discourage fouling
- Unobstructed flow with no pressure loss

APPLICATIONS

- | | |
|-------------------------|---------------------------------|
| Petrochemical Industry | Paper & Pulp |
| Metallurgical Industry | Power Plants |
| Textile Industry | Urban Water Supply and Drainage |
| Pharmaceutical Industry | Environmental Protection |
| Semiconductor Industry | New Energy Industry |
| Food and Beverage | Shipbuilding Industry |

Specifications	
Pipe Size	From DN10 to DN2000.
Electrode Material	The standard is 316L, with options for Hastelloy C, Hastelloy B, Titanium, Platinum, and Tantalum alloys.
Liner Material	Optional materials include rubber, PTFE, polyurethane, F46, PFA, hard rubber, or custom materials upon request.
Medium	Conductive liquids compatible with the material of construction.
Conductivity	Standard configuration measures liquids with electrical conductivity greater than $20 \mu\text{s/cm}$; optional low conductivity measurement function available, capable of measuring down to $1 \mu\text{s/cm}$.
Accuracy	Accuracy within $\pm 0.5\%$ RD within the measurement range, with an optional high precision of 0.2% RD.
Velocity limit	Flow velocity range: 0.3m/s - 10m/s.
Temperature Limit	Rubber: 80°C; PTFE: 120°C; polyurethane: 70°C; F46: 100°C; PFA: 120°C; Hard Rubber: 120°C.
Pressure Limit	PN6, PN10, PN16, PN40 depend on the model.
Enclosure Rating	IP67.
Output	Standard includes 4-20mA + pulse + RS485, with an option for HART.
Power Supply	Options include 18-265 VAC 50Hz, 18-265 VAC 60Hz, or 18-36 VDC.
Process Connection	China National Standards, with options for ANSI (US standard) or JIS (Japanese standard) flanges.

Flanged Electromagnetic Flowmeter

From 10 to 2000mm, up to $\pm 0.2\%$ RD accuracy, can measure ultra-low conductivity liquid (down to $1 \mu\text{s/cm}$)

Model Chart										Note
Example	KF700-FA	-A1	-B	-50	-2	-1	-1	-HA		
Series	KF700-FA Flange Connection Electromagnetic Flowmeters									
Type		A1								Integrated with MF710 converter (Economic type)
		A2								Integrated with MF720 converter (Fully functional type)
		B3								Equipped with MF730 remote converter
Material		A								A3 Carbon Steel
		B								304 Stainless steel
		C								316 Stainless steel
Pipe Sizes				10						DN10; Range 0 - 0.3 to 0 - 1.6m ³ /h; min. flow for accuracy: 0.08m ³ /h; PN40; L x D x H1: 150 x 90 x 130 †
				15						DN15; Range 0 - 0.8 to 0 - 4.0m ³ /h; min. flow for accuracy: 0.2m ³ /h; PN40; L x D x H1: 150 x 95 x 132.5 †
				20						DN20; Range 0 - 1.2 to 0 - 6.0m ³ /h; min. flow for accuracy: 0.3m ³ /h; PN40; L x D x H1: 150 x 105 x 137.5 †
				25						DN25; Range 0 - 2.0 to 0 - 8.0m ³ /h; min. flow for accuracy: 0.5m ³ /h; PN40; L x D x H1: 150 x 115 x 145
				32						DN32; Range 0 - 3.0 to 0 - 12.0m ³ /h; min. flow for accuracy: 0.8m ³ /h; PN40; L x D x H1: 150 x 140 x 162.5
				40						DN40; Range 0 - 5.0 to 0 - 20m ³ /h; min. flow for accuracy: 1.2m ³ /h; PN40; L x D x H1: 150 x 150 x 172.5
				50						DN50; Range 0 - 8.0 to 0 - 50m ³ /h; min. flow for accuracy: 2m ³ /h; PN40; L x D x H1: 200 x 165 x 187.5
				65						DN65; Range 0 - 12 to 0 - 80m ³ /h; min. flow for accuracy: 3.5m ³ /h; PN40; L x D x H1: 200 x 185 x 202.5
				80						DN80; Range 0 - 20 to 0 - 120m ³ /h; min. flow for accuracy: 5m ³ /h; PN40; L x D x H1: 200 x 200 x 220
				100						DN100; Range 0 - 30 to 0 - 160m ³ /h; min. flow for accuracy: 8m ³ /h; PN16; L x D x H1: 250 x 220 x 230
				125						DN125; Range 0 - 50 to 0 - 250m ³ /h; min. flow for accuracy: 12m ³ /h; PN16; L x D x H1: 250 x 250 x 270
				150						DN150; Range 0 - 80 to 0 - 400m ³ /h; min. flow for accuracy: 18m ³ /h; PN16; L x D x H1: 300 x 285 x 302.5
				200						DN200; Range 0 - 120 to 0 - 600m ³ /h; min. flow for accuracy: 30m ³ /h; PN10; L x D x H1: 350 x 340 x 352.5
				250						DN250; Range 0 - 200 to 0 - 800m ³ /h; min. flow for accuracy: 50m ³ /h; PN10; L x D x H1: 400 x 395 x 407.5
				300						DN300; Range 0 - 300 to 0 - 1200m ³ /h; min. flow for accuracy: 70m ³ /h; PN10; L x D x H1: 500 x 445 x 460
				350						DN350; Range 0 - 400 to 0 - 1600m ³ /h; min. flow for accuracy: 100m ³ /h; PN10; L x D x H1: 500 x 505 x 517.5
				400						DN400; Range 0 - 500 to 0 - 2000m ³ /h; min. flow for accuracy: 120m ³ /h; PN10; L x D x H1: 600 x 565 x 572.5
				450						DN450; Range 0 - 600 to 0 - 2500m ³ /h; min. flow for accuracy: 160m ³ /h; PN10; L x D x H1: 600 x 615 x 622.5
				500						DN500; Range 0 - 800 to 0 - 3000m ³ /h; min. flow for accuracy: 200m ³ /h; PN10; L x D x H1: 600 x 670 x 675
			600						DN600; Range 0 - 1000 to 0 - 4000m ³ /h; min. flow for accuracy: 300m ³ /h; PN10; L x D x H1: 600 x 780 x 745	
			700						DN700; Range 0 - 1600 to 0 - 5000m ³ /h; min. flow for accuracy: 400m ³ /h; PN10; L x D x H1: 700 x 895 x 892	
			800						DN800; Range 0 - 2000 to 0 - 6000m ³ /h; min. flow for accuracy: 500m ³ /h; PN10; L x D x H1: 800 x 1015 x 1002.5	
			900						DN900; Range 0 - 2000 to 0 - 8000m ³ /h; min. flow for accuracy: 650m ³ /h; PN10; L x D x H1: 900 x 1115 x 1102.5	
			1000						DN1000; Range 0 - 2500 to 0 - 10000m ³ /h; min. flow for accuracy: 800m ³ /h; PN6; L x D x H1: 1000 x 1175 x 1182.5	
			1200						DN1200; Range 0 - 4000 to 0 - 16000m ³ /h; min. flow for accuracy: 1200m ³ /h; PN6; L x D x H1: 1200 x 1405 x 1397.5	
			1400						DN1400; Range 0 - 6000 to 0 - 20000m ³ /h; min. flow for accuracy: 1500m ³ /h; PN6; L x D x H1: 1400 x 1630 x 1610	
			1600						DN1600; Range 0 - 8000 to 0 - 30000m ³ /h; min. flow for accuracy: 2000m ³ /h; PN6; L x D x H1: 1600 x 1830 x 1810	
			1800						DN1800; Range 0 - 10000 to 0 - 40000m ³ /h; min. flow for accuracy: 2500m ³ /h; PN6; L x D x H1: 1800 x 2045 x 2017.5	
			2000						DN2000; Range 0 - 12000 to 0 - 50000m ³ /h; min. flow for accuracy: 3000m ³ /h; PN6; L x D x H1: 1800 x 2265 x 2227.5	
Liner Material					1					Rubber (DN50-DN2000), Temperature limit 80°C
					2					PTFE, Temperature limit 120°C
					3					Polyurethane (DN25-DN300), Temperature limit 70°C
					4					F46 (DN10-DN300), Temperature limit 100°C
					5					PFA (DN10-DN300), Temperature limit 120°C
					6					Hard Rubber, Temperature limit 120°C
Power Supply						1				85 - 265 VAC 50Hz
						2				86 - 265 VAC 60Hz
						3				18 - 36 VDC
Grounding							1			Without Grounding
							2			3-electrodes †
							3			Grounding ring
Options								-HART		4-20mA + Pulse + HART (Only for MF720 and MF730)
								-LC		Low conductivity liquid measurement, down to 1μs/cm
								-HA		High accuracy: 0.2%RD
								-SL		Slurry or pulp measurements, such as coal slurry, paper pulp, etc.
								-ET1		Special metal electrodes: HC Hastelloy, HB Hastelloy, Ti Titanium Alloy
								-ET2		Precious metal electrodes: Pt Platinum Alloy, Ta Tantalum Alloy
								-ANSI		With the ANSI 150 Flange
							-JIS		With the JIS10K Flange	
Note	†For DN10, DN15, and DN20 pipe size products with three-electrode grounding, the size L is 200mm.									