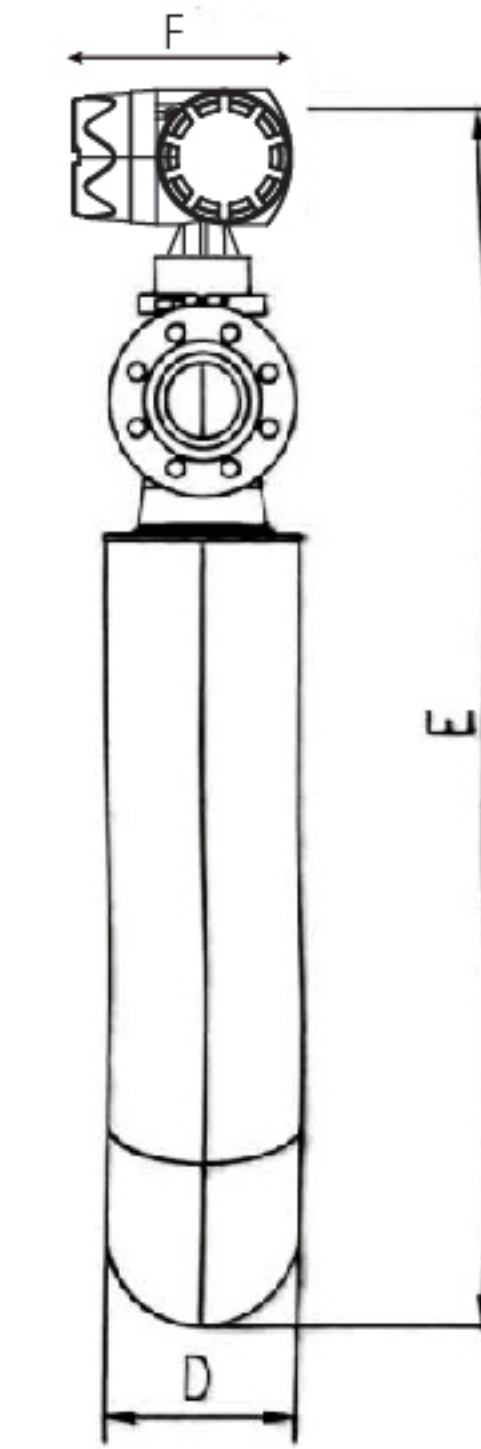
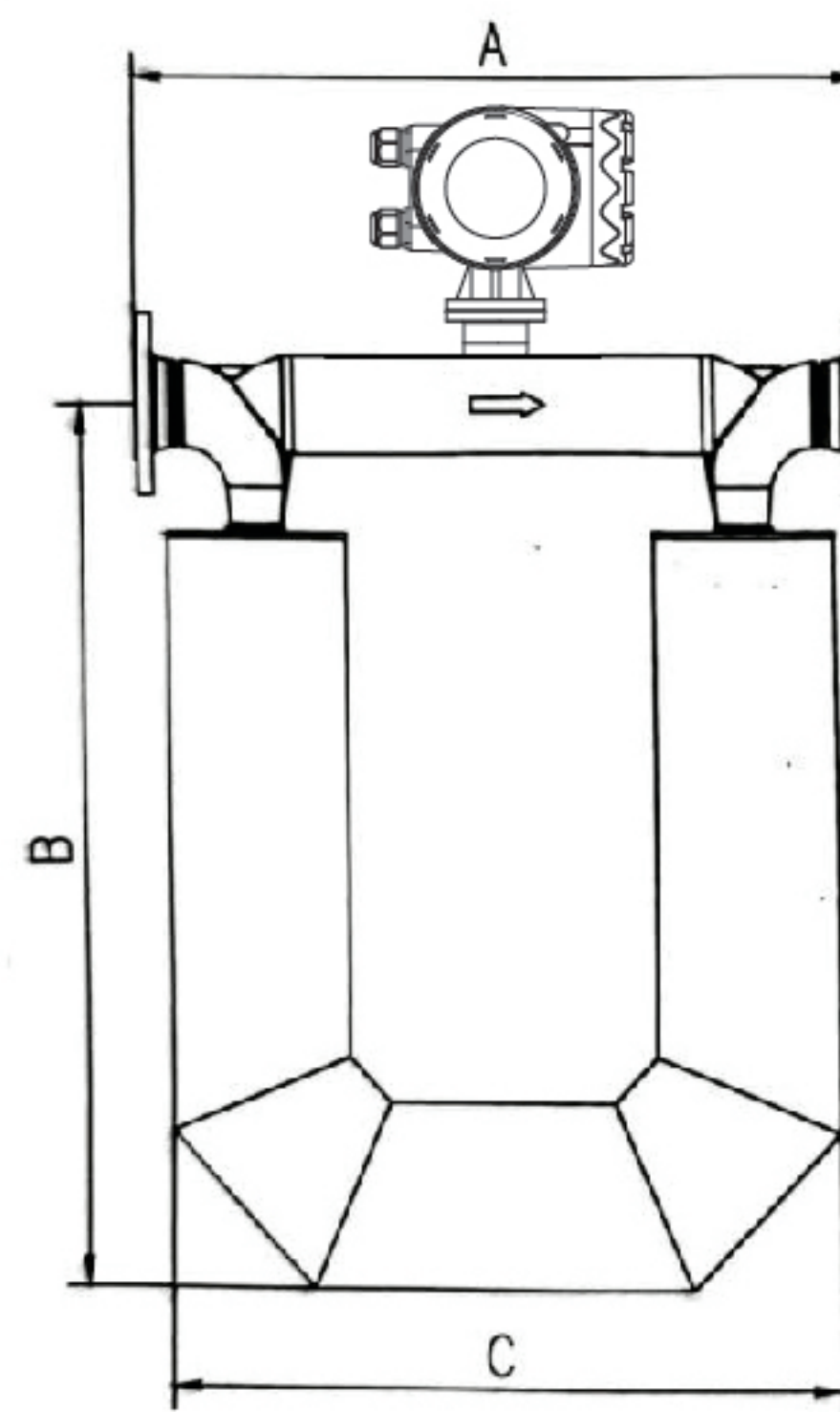


The Series KF900D-FA Coriolis Mass Flowmeters

Pipe sizes from 50 to 350 mm, U-tube design with flange connections, explosion-proof



The Series KF900D-FA Coriolis Mass Flowmeters employ advanced DSP digital signal processing and fully digital drive technology, significantly enhancing flow stability. The display features a large OLED screen for smoother, clearer visuals that remain stable even at low temperatures. The instrument supports real-time self-diagnosis, monitoring various issues and providing alarms. Additionally, it includes multiple signal interfaces such as current, pulse, and RS485, along with various functional options to accommodate different working conditions. A capacitive button design allows convenient operation without needing to open the converter's cover. It boasts an exceptionally wide range ratio, enhanced precision, and superior stability

FEATURES

- High accuracy, 0.1% of reading
- U-tube design, high range ratio, good stability
- Integral welding structure, sturdy and durable
- Explosion-proof Ex d IIC T6 Gb
- Accurate measurement even when the medium contains gases
- Fast and comprehensive digital signal processing
- High-precision density measurement
- No crosstalk: unaffected by installation and process conditions

APPLICATIONS

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

SPECIFICATIONS	
Service	Liquids, including highly viscous media, non-homogeneous mixtures, and media with solid content or entrained gas
Pipe Size	50mm to 350mm
Material	316L
Accuracy	±0.1%, ±0.15%, ±0.2%, ±0.3%RD within the range
Temperature Rating	-50 °C to 100°C for integral display; -50°C to 125°C for integral display high-temperature option; -150°C to 250°C for remote display
Pressure Rating	PN40, optional PN63
Enclosure Rating	IP67, optional IP68 (remote)
Output	4-20mA + pulse
Communication	HART or RS-485
Display	OLED, Size 58mm x 29mm
Display Units	Mass flow: kg/s, kg/m, kg/h, t/s, t/m, t/h; mass totalizer flow: kg, t; volume flow: L/s, L/m, L/h, m³/s, m³/m, m³/h; volume totalizer flow: L, m³; density: g/cm³, g/L, kg/L, kg/m³
Power Supply	18-265V AC or 18-36V DC
Process Connection	DIN Flange, ANSI flange, JIS Flange
Explosion Rating	Ex d IIC T6 Gb
Converter Size	181.5mm x 171mm x 141mm
Converter Weight	1.35 Kg

MODEL CHART						
Example	KF900D-FA	-65	-A1	-DIN	-H	-10 -EXP
Series	KF900D-FA Coriolis Mass Flowmeters					
Pipe Size	50					DN50, Maximum flow: 46000kg/h, zero stability: 0.81kg/h; A x B x C x D x E x F = 485x494x385x110x815x174mm
	65					DN65, Maximum flow: 75000kg/h, zero stability: 1.31kg/h; A x B x C x D x E x F = 576x696x496x140x1025x174mm
	80					DN80, Maximum flow: 136000kg/h, zero stability: 2.4kg/h; A x B x C x D x E x F = 702x777x610x170x1123x174mm
	100					DN100, Maximum flow: 22000kg/h, zero stability: 3.88kg/h; A x B x C x D x E x F = 865x976x768x208x1284x174mm
	150					DN150, Maximum flow: 403000kg/h, zero stability: 7.25kg/h; A x B x C x D x E x F = 892x961x751x234x1282x174mm
	200					DN200, Maximum flow: 652000kg/h, zero stability: 11.55kg/h; A x B x C x D x E x F = 1030x1075x840x280x1424x174mm
	250					DN250, Maximum flow: 1550000kg/h, zero stability: 23.75kg/h; A x B x C x D x E x F = 1130x1264x826x325x1640x174mm
	300					DN300, Maximum flow: 2500000kg/h, zero stability: 40kg/h; A x B x C x D x E x F = 1130x1374x884x397x1763x174mm
Converter Type			A1			Integral display (-50°C - 100°C)
			A2			Integral display with high-temperature rating (-50°C - 125°C)
			B2			Remote display (-150°C - 250°C)
Process Connection				DIN		DIN Flange
				ANSI		ANSI Flange
				JIS		JIS Flange
Output					R	4-20mA + Pulse + RS485
					H	4-20mA + Pulse + HART
Accuracy					10	0.1% Reading of the Range
					15	0.15% Reading of the Range
					20	0.2% Reading of the Range
					30	0.3% Reading of the Range
Options					EXP	Explosion Proof, Ex d IIC T5 Gb
					HP	High pressure rating to PN63
					LF	Low flow measurement, please consult the factory
					IP68	IP68 (Remote only)