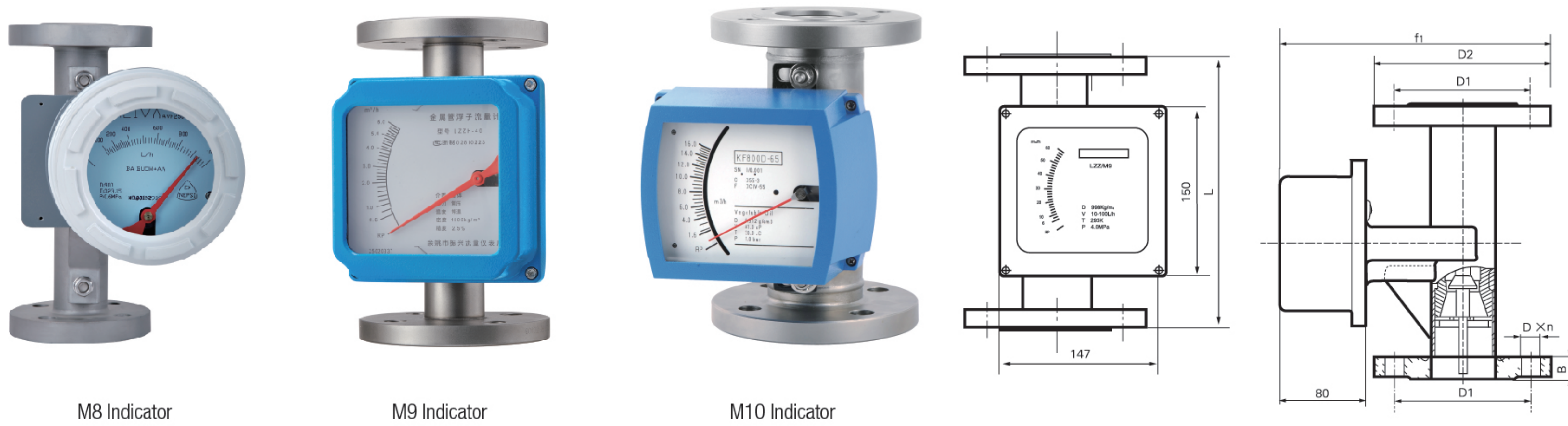


The Series KF800 Metal Tube Rotameter

Multiple installation and indication options for versatile applications.



M8 Indicator

M9 Indicator

M10 Indicator

The Series KF800 Metal Tube Rotameter is a variable area flow measurement instrument commonly used in industrial automation process control. It is suitable for measuring various flow rates of liquids and gases. The LZDX model flowmeter's intelligent transmitter, centered on an MCU microprocessor, utilizes magnetic sensors along with digital signal processing techniques such as digital filtering and software correction to detect magnetic field changes. Featuring a liquid crystal display screen, it provides an excellent human-machine interface, can output 4-20mA current signals, and offers upper/lower limit alarm functions. It displays both instantaneous and cumulative flow, and battery operation (M8 indicator) ensures user convenience. Widely applied in flow detection and process control across industries like chemical, metallurgy, pharmaceutical, and water treatment.

FEATURES

- Wide measurement range
- Intuitive and clear readings
- Optional alarm switch output
- Ideal for applications with vibration
- Low pressure loss, high reliability
- Applicable to various media with extensive compatibility

APPLICATIONS

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

Specifications

Pipe Size (mm)	Flow Rate Range			Pressure Loss (KPa)			
	Liquid L/h		Airm ³ /h	Orifice Plate Type		Tapered Tube Type	
	Standard Type	Anti-corrosion Type	Standard/ Anti-corrosion Type	Water	Air	Water	Air
15	2.5~25	--	0.07~0.7	5.5	7.1	2.1	2.6
	4.0~40	2.5~25	0.11~1.1	5.5	7.2	2.1	2.6
	6.3~63	4.0~40	0.18~1.8	5.5	7.3	2.1	2.6
	10~100	6.3~63	0.28~2.8	5.6	7.5	2.1	2.6
	16~160	10~100	0.48~4.8	5.6	8.0	2.1	2.6
	25~250	16~160	0.7~7.0	5.8	10.8	2.1	2.6
	40~400	25~250	1.0~10.0	6.1	10.0	2.1	2.8
25	63~630	40~400	1.6~16	7.3	14.0	2.2	3.2
	100~1000	63~630	3~30	5.7	7.2	2.4	3.2
	160~1600	100~1000	4.5~45	5.9	7.7	2.4	3.3
	250~2500	160~1600	7~70	6.0	8.8	2.5	3.4
	400~4000	250~2500	11~110	6.8	12.0	2.6	3.8
50	630~6300	400~4000	18~180	6.8	8.6	3.3	7.4
	1000~10000	630~6300	25~250	9.4	10.4	3.8	7.7
	1600~16000	1000~10000	40~400	14.5	15.5	4.3	8.4
80	2500~25000	1600~16000	70~700	6.9	12.9	3.6	6.8
	4000~40000	2500~25000	100~1000	8.0	18.5	4.6	8.9
100	6300~63000	4000~40000	160~1600	8.5	19.2	5.8	12.0
	10000~100000	6300~63000	250~2500	8.8	19.6	6.4	12.8
125	12000~120000	--	--	9.0	20.3	7.0	13.5
150	15000~150000	--	--	9.2	20.8	7.1	13.8

*For other pipe sizes (DN20, DN32, DN40, DN65), consult factory.

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MODEL CHART											
Example	KF800	-ZH	-DN15	-RR1	-FA	-M7	-D2	-Kx	-DT	-T	
Serial	KF800										Metal Tube Rotameter
Function		ZH									Local pointer indication of instantaneous flow rate
		DH									Local pointer indication of instantaneous flow rate and 4-20mA output
		DX									Local LCD indication of instantaneous and cumulative flow rates and 4-20mA output
Pipe Size			DN15								DN15, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x14x65x95x208
			DN25								DN25, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x18x85x115x218
			DN50								DN50, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x22x125x165x240
			DN80								DN80, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x24x160x200x258
			DN100								DN100, ranges available for gas or liquid, LxBxD1xD2xf1 = 250x26x180x220x268
			DN150								DN150, ranges available for liquid, LxBxD1xD2xf1 = 250x28x240x285x300
Material				RR1							304 Stainless Steel
				RR2							316L Stainless Steel
				RR0							316 Stainless Steel
				F							PTFE-lined 304 Stainless Steel
Connection					FA1						DIN Standard PN10
					FA2						DIN Standard PN16
					FA3						DIN Standard PN25
					FA4						DIN Standard PN40
					FA5						American Standard (ANSI) 150
					FA6						Japanese Standard (JIS) 10K
					VA7						BSP thread (Female)
					VA8						NPT thread (Female)
					KA9						Clamp connection
					OT10						Other connection methods
Indicator Type						M7					M7 indicator, aluminum alloy
						M8					M8 indicator, flameproof type
						M9					M9 indicator, aluminum alloy
						M10					M10 indicator, aluminum alloy
Power Supply							D1				24V power supply
							D2				Battery-powered
							N				None
Alarm Method								N			No alarm
								Ks			High limit alarm
								Kx			Low limit alarm
Flow Method									DT		Bottom inlet, top outlet
									RL		Horizontal, right inlet, left outlet
									LR		Horizontal, left inlet, right outlet
									HH		Bottom horizontal inlet, top horizontal outlet
									DH		Bottom inlet, top horizontal outlet
Insulation Method										T	With insulation jacket
										N	Without insulation
Note	Customizable pipe size: DN20, DN32, DN40, DN65										