

Product Features

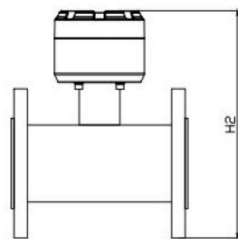
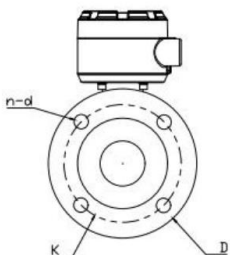
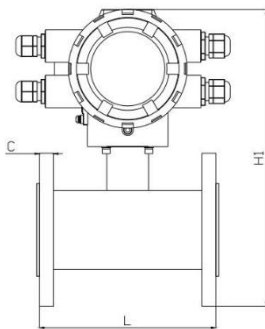
- High accuracy, linearity, and stability
Excellent reliability and superior anti-interference performance
Outstanding pressure resistance and sealing performance with a high degree of intelligence
- Zero pressure loss and low straight-pipe-run requirements
Excellent corrosion and abrasion resistance
- Converter and sensor available in integral or Separate type
Bi-directional measurement system capable of measuring both forward and reverse flow
- Special manufacturing processes and premium materials ensure long-term, stable product performance

Technical Specifications

Nominal diameter	15-1200mm
Output signal	Standard: 4 - 20 mA + RS485; Optional: HART
Overall accuracy	0.5%
Power supply	24 ± 20%VDC, 85-250VAC
Nominal pressure	4.0MPa, 1.6MPa, 1.0MPa, 0.6MPa (2.5MPa and other ratings available on request)
Lining material	Neoprene (CR), PTFE, Polyurethane (PU), FEP, PFA, Ceramic, etc.
Flange material	Carbon steel, stainless steel (304, 316, 316L)
Electrode type	Fixed
Ingress protection	IP65, IP68+IP65 (sensor IP68, converter IP65, the structure must be of separate type)
Transmission distance	Separate type: signal cable between sensor and converter 300 m
Maximum flow velocity	10m/s
Process connection	Flange
Fluid conductivity	≥ 30μS/cm
Power consumption	< 15W
Ambient temperature	-10°C-60°C
Electrode material	316L, HB, HC, titanium, tantalum, platinum, platinum-iridium alloy, gold-plated electrode, tungsten carbide
Grounding ring material	316L, titanium, tantalum
Number of electrodes	Standard 3 electrodes (two measuring electrodes + one grounding electrode)



Outline Dimensions



Nominal diameter (mm)	Nominal pressure (MPa)	Outline dimensions (mm)			Connection dimensions (mm)				
		L	H2	H1	D	K	d	n	C
15	≤ 4.0	200	220	280	95	65	14	4	14
20		200	225	285	105	75	14	4	16
25		200	235	295	115	85	14	4	16
32		200	260	320	140	100	18	4	18
40		200	270	330	150	110	18	4	18
50	≤ 1.6	200	280	340	165	125	18	4	20
65		250	300	360	185	145	18	8	22
80		250	310	370	200	160	18	8	24
100		250	320	380	220	180	18	8	22
125		250	350	410	250	210	18	8	22
150	≤ 1.0	300	380	440	285	240	22	8	24
200		350	435	495	340	295	22	8	24
250		450	510	570	395	350	22	12	26
300		500	560	620	445	400	22	12	26
350		550	610	670	505	460	22	16	30
400	≤ 0.6	600	660	720	565	515	26	16	32
450		600	705	765	615	565	26	20	36
500		600	760	820	670	620	26	20	38
600		600	870	930	780	725	30	20	42
700		700	950	1010	860	810	26	24	40
800	≤ 0.6	800	1050	1110	975	920	30	24	44
900		900	1150	1210	1075	1020	30	24	48
1000		1000	1250	1310	1175	1120	30	28	52

Note: The dimensions shown may differ slightly from the actual product. Please refer to the physical instrument for final reference.

Model Selection Table

Code & description		Type		
LFEMF	Electromagnetic flow meter	Electromagnetic flow meter		
-G	Flange connection	Flange connection		
DN	15...50...600...1200	Nominal diameter		
	≤4.0MPa (DN15-DN50)	Pressure rating		
	≤1.6MPa (DN65-DN150)			
	≤1.0MPa (DN200-DN600)			
	≤0.6MPa (DN700-DN1200)			
	XX Customized (Special pressureratings, JIS, ANSI, etc.available upon request)			
	F1 Polyurethane rubber (PU)	Lining material		
	F2 Thermoplastic polyurethane(TPU)			
	F3 Neoprene rubber (CR)			
	F4 Polytetrafluoroethylene (PTFE)			
	F5 Perfluoroethylene propylene (F46/FEP)			
	F6 PFA (Teflon)			
	F7 Ceramic			
	T1 0-60°C	Medium temperature		
	T2 0-80°C (available with TPU, CR, PTFE, F46/FEP, PEA, ceramic linings)			
	T3 0-120°C (available with PTFE, F46/FEP, PEA, ceramic linings,the structure must be of separate type)			
	T4 0-150°C (available with PEA, ceramic linings,the structure must be of separate type)			
	D1 316L	D4 Titanium	D7 Gold-Plated electrode	Electrode material
	D2 Hastelloy B	D5 Platinum	D8 Tantalum	
	D3 Hastelloy C	D6 Platinum-iridium alloy	D9 Stainless steel with tungsten carbide coating	
	S1 Integral type	Structure		
	S2 Separate type			
	☆ Separate type supplied with 10m dedicated cable, extensions available up to 300m maximum			
	P5 IP65	Housing protection		
	P8 IP68+IP65(Sensor Ip68 converter Ip65,the structure must be of separate type)			
	M1 Carbon steel (default)	Housing material		
	M2 Stainless steel 304			
	M3 Stainless steel 316L			
	C0 None	HARTcommunication		
	C1 HART communication			
	AC AC85-250V	Power supply		
	DC DC24V±20%			

LFEMF-G-DN50- 4.0 F4 T2 D1 S1 P5 M1 C0 AC Model selection example

Selection explanation: The model LFEMF-G-DN50-4.0F4T2D1S1AC (options P5,M1, CO are not written in themodel code) represents: flangeconnection, DN50 mm, maximum workingpressure 4.0 MPa, PTFE lining,medium temperature 0-80 °C, 316Lstainless-steel electrode, compact(integral) structure, IP65 protection,carbon-steel housing, no HARTcommunication, AC power supply (85-250 VAC), overall accuracy 0.5 %.

Product Application

- Product Applications'Chemical & chemical fiber, food & beverage, pulp & paper, sugar refining,mining & metallurgy, water supply & drainage,environmental protection"Water conservancy & hydropower, iron & steel, petroleum, pharmaceutical, beer, wort,andvarious beverages'Corn syrup, fiber pulp, sugar syrup, limemilk, sewage, cooling raw water'Drainage, brine, hydrogen peroxide,black liquor, and other conductive fluidmedia