



In Line Electromagnetic Flowmeter

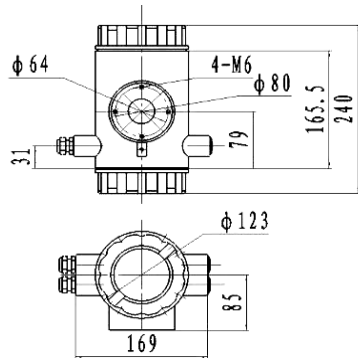
EL1000/WL300

Electromagnetic flow meter consists of sensors and converters in two parts. The product is based on Faraday's law of electromagnetic induction, used to measure the conductance greater than $20 \mu\text{S} / \text{cm}$ volume of conductive liquid flow, In addition to measuring the general volume of conductive liquid flow, but also can be used to measure strong acid, alkali and other strong corrosive liquids and mud, pulp, pulp and other liquid-solid two-phase suspension of uniform volume flow.

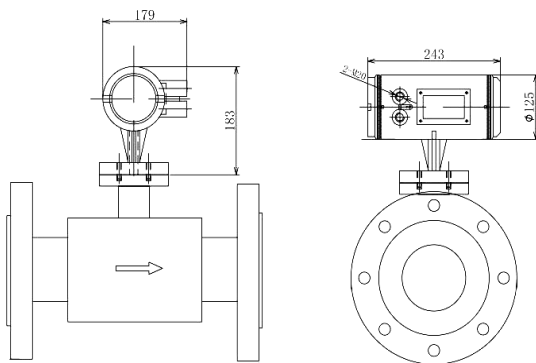


Diameter range	: DN20-DN3000 (1/8" ~ 120")	
Medium conductivity	> $20 \mu\text{S} / \text{cm}$	
Linder material	Polyurethane	FEP
	Neoprenne Rubber	PFA
	Hard Rubber	Ceramic
	PTFE	
Electrode material	SUS316L	Titanium
	Hastelloy B	Tantalum
	Hastelloy C	Platinum-iridium alloy
Ambient temperature	-20°C ~ 60°C	
Converter working environment humidity	$\leq 95\%$	
Protection grade	IP65, IP68 (Optional)	
Measurement range of velocity	0 ~ 15 m/s	
Accuracy	$\pm 0.5\%$; $\pm 0.2\%$	
Measurement Parameters	Instantaneous Flow	Positive
	Velocity	Negative accumulative flow
Delection & Alarm function	Fluid empty pipe detection	upper and lower limit alarm
	excitation alarm	system alarm
Network function	: HART	GPRS
	MODBUS	PROFIBUS (optional)
	BACNET	
Power supply	: AC power supply, voltage applicable range : 85VAC-250VAC	
	DC power supply, voltage applicable range : 20VDC-36VDC	

Dimension of Sensor and Converter



Compact Type Converter Drawing



Integrated Type Size

Normal Diameter mm	External Dimension (mm)		Weight Kg
	L	D	
20	200	105	10
25	200	115	12
32	200	140	13
40	200	150	14
50	200	165	15
65	200	185	18
80	200	200	20
100	250	235	25
125	250	270	28
150	300	300	30
200	350	340	50
250	450	405	70
300	500	460	95
350	550	520	120
400	600	580	140
450	600	640	160
500	600	715	200
600	600	840	280
700	700	895	350
800	800	1015	400
900	900	1115	480
1000	1000	1230	550
1200	1200	1405	660
1400	1400	1630	750
1600	1600	1830	850
1800	1800	2045	980
2000	2000	2265	1200