

MD-EL ELECTROMAGNETIC FLOWMETER

TECHNICAL CHARACTERISTICS:

- ✓ No moving parts and no wear
- ✓ The measurement range of the process is 1: 100
- ✓ No clear section or flow enhancement device
- ✓ Measuring the flow rate of various conductive liquids
- ✓ Measurement results are not affected by physical properties such as temperature, pressure, viscosity, and density
- ✓ Strong corrosion resistance and wear resistance
- ✓ Measures forward / reverse flow
- ✓ Large LCD screen, user-friendly operation interface, easy to use
- ✓ Persistent EEPROM for saving configuration parameters and measurement data during power failure
- ✓ Wide operation voltage range
- ✓ Self-diagnosis



The electromagnetic flowmeter is suitable for measuring almost all electrically conductive liquids, as well as the flow measurement of mud, paste and mud. The premise is that the measured medium must have at least some minimum conductivity. Temperature, pressure, viscosity and density have no effect on the measurement results.

It can also be used to measure corrosive media as long as the proper pipe lining material and electrode material are selected. Solid particles in the medium will not affect the measurement results.

The flow sensor and the intelligent converter form a complete flow meter integrally or separately.

APPLICATIONS:

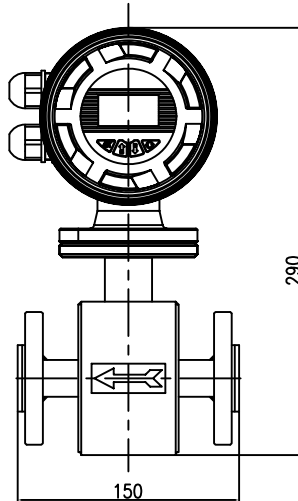
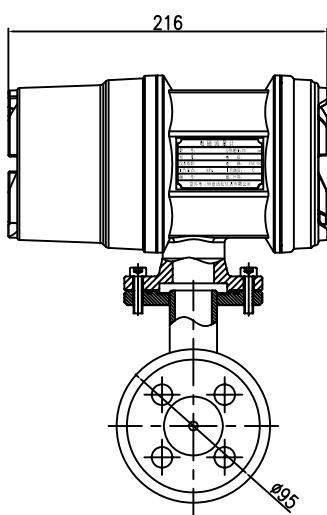
- ◇ Clean water & sewage
- ◇ Electricity production & distribution
- ◇ Chemical & industrial pharmacy
- ◇ Food industry

TECHNICAL PARAMETERS:

Display	LCD display, display various flow data in real-time, m ³ or L display unit		
Structure	Embedded type design, integrated or split type		
Measuring medium	Liquid or solid-liquid, Conductivity> 0.5 μ s / cm ²		
Measuring Range	0.05m/s~8m/s		
Measurement Accuracy	Diameter mm	Range m/s	Accuracy
	3~20	0.3 or less	± 0.25%FS
		0.3~1	± 1.0%R
		1~10	± 0.5%R
	25~600	0.1~0.3	± 0.25%FS
		0.3~1	± 0.5%R
		1~10	± 0.3%R
	700~3000	0.3 or less	± 0.25%FS
		0.3~1	± 1.0%R
		1~10	± 0.5%R
%FS: relative range, %R: relative measurement			
Caliber(mm)	6mm~2000mm		
Nominal pressure	PN6, PN10, PN16, PN25,PN40, PN63, PN100, PN160, PN250,PN420 etc.		
Output	4~20mA or frequency (<5KHz), RS485, wireless transmission (optional), relay (optional)		
Connection	DN 6 ~ DN2000 for flange connection		
Connection standard	Applicable to various pipe flange standards		
Product Standards	Accuracy requirements meet JJG 1033-2007 standard		
IP rating	IP65(integrated), IP67 or IP68 when split (optional)		
Power supply	AC86 ~ 220V		
Ambient temperature	5~55℃		
Environment humidity	<85%r.h (Non-condensing)		

DIMENSION:

UNIT:mm



*DN6-DN300(optional)

SELECTION GUIDE:
MD — EL — 100 — A — 1 — P4 — 1.6M — 7 — B — GR
Model:

EL

Caliber:

 15 (DN15)
 300 (DN300)
 15~300 optional

Output:

 A (Current type)
 R (RS485)
 AH(Current+HART)

Accuracy:

1(0.5%FS) 2(0.2%FS)

Power supply:

P4(220V) P2(24VDC)

Additional options:

 GR(With grounding ring)
 F(split type)
 EX(explosion proof type)

Electrode material:

 A(316L SS)
 B(titanium alloy)
 C(Hastelloy-C alloy)
 D(tantalum alloy)

Lining material:

 1(PTFE)
 7(Customized materials)

Withstand voltage:

16(16bar) X(Customized))

