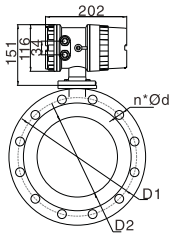
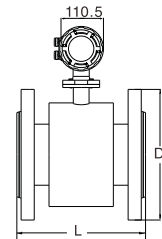
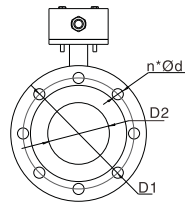
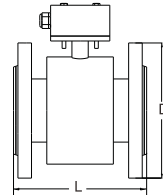


Electromagnetic Water Meter

The dimensions in table below are based on DIN PN16 Flange. Please consult the factory for other flanges: ANSI or JIS.



Compact Type



Remote Type

Flange DIN PN16

meter (mm)	B Type L (mm)	T Type L (mm)	D (mm)	D1 (mm)	D2 (mm)	n*Ød
10	160/120	120	90	60	41	4*14
15	160/200	200	95	65	45	4*14
20	165/200	200	105	75	58	4*14
25	200	200	115	85	68	4*14
32	200	200	140	100	78	4*18
40	200	200	150	110	88	4*18
50	200	200	165	125	102	4*18
65	250	200	185	145	122	4*18
80	250/200	200	200	160	138	8*18
100	250/200	250	220	180	158	8*18
125	250	NA	250	210	188	8*18
150	300	NA	285	240	212	8*22
200	350	NA	340	295	268	12*22
250	450	NA	405	355	320	12*22
300	500	NA	460	410	375	12*22

Other length are available for B type DN10, DN15, DN20, DN80, DN100



Description

EMW electromagnetic water meter is a battery-powered electromagnetic induction water meter. Battery-powered can be installed without sacrificing accuracy and performance. Installed anywhere, without requiring mains power, it is designed specifically for individual water applications such as water treatment irrigation flow control.




With high information and operation performance, it can be installed easily with low cost so that it will be helpful for customs business.

Application: Water withdrawal, pipe network distribution, metering charges and irrigation, etc...

Technical Parameters

Sensor	
Model	EMW Electromagnetic Water Meter
Connection	Flange(GB/T9119-2010)
Measured	Instantaneous Flow, Cumulative Flow, Pressure (Optional)
Diameter(mm)	DN50-DN300
Pressure(MPa)	1.0MPa -4.0MPa
Liner Material	Rubber
Conductivity	≥20µs/cm
Electrode Material	SS316L
Protection	IP68
Temperature	Medium Temperature : 0°C...+70°C
	Ambient Temperature : -25°C...+70°C
	Storage Temperature : -40°C...+70°C
Housing	Stainless steel



Converter	
Type	   Basic Reading Remote Control GPRS Model
Protection	IP68
Measurement Range	0m/s ~ ±15m/s continuous measuring
Accuracy	±1%FS, ±2% FS, standard GB/T778-2007
Power	3.6 V Battery
Battery Life	Communication Battery 1.5Y~6Y (Lab test results will be influenced by means of communication and frequency since the environment and temperature.)
Magnetizing Frequency	Lock mode : 6.25HZ; Test mode : 1/15HZ
Flow Direct	The flow direction of positive flow is consistent with the direction of flow direction, while negative flow direction is opposite to the direction of flow direction.
Display Mode	Multiple display modes, 9 combinations, display instantaneous flow, positive, negative cumulative flow, net flow, etc.
Display & Control	Data can be input through four photoelectric key, cumulative flow is 10 digits display (down to the decimal point 3 digits), instantaneous flow is 5 digits display (down to the decimal point 2 digits), can adjust the accuracy automatically, can display the instrument diagnosis and alarm status, user password control, menu setting parameters.
Output	GPRS , RS485 Communication
Alarm	Alarm status display, sensor fault, transformer fault, battery undervoltage, empty tube, measurement status alarm, output alarm, etc.
Pressure Sensor	
Pressure Range	0-4.0MPa
Power Supply	3.6V Battery
Ambient Temperature	-25℃...+85℃
Response Time	2ms
Accuracy	Sum of Linear, Retarded, and repeatable < +/-0.3%fs
Housing	Stainless Steel
Note	Pressure sensors should be avoided for water icing in the pressure pipe. The cold area should install the pressure sensor in the pipe, and do well insulation measures.
Thread Size	1/2 inch




Model Selection

LDW	Model					Description
	①	②	③	④	⑤	
Diameter	50					DN50
	65					DN65
	80					DN80
	100					DN100
	125					DN125
	150					DN150
	200					DN200
	250					DN250
Range Ratio		R1				R=160
		R2				R=250
		R3				R=500
Converter Type			B			Display
			M			Remote Reading
			D			Transmission
Pressure				10		1.0MPa
				16		1.6MPa
Accessory					N	Grounding Ring
					P	Pressure Sensor

Example:

LDW	① 50	② R1	③ M	④ 10	⑤ N
	① 50:DN50		④ 10: 10MPa		
	② R1: 1:160		⑤ N: Grounding Ring		
	③ M:Remote Reading				



Converter	
Type	   Basic Reading Remote Control GPRS Model
Protection	IP68
Measurement Range	0m/s ~ ±15m/s continuous measuring
Accuracy	±1%FS, ±2% FS, standard GB/T778-2007
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Battery Life	Communication Battery 1.5Y~6Y (Lab test results will be influenced by means of communication and frequency since the environment and temperature.)
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Model Selection

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	65					DN65
	80					DN80
	100					DN100
	125					DN125
	150					DN150
	200					DN200
	250					DN250
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		R2				R=250
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Converter Type			B			Display
			M			Remote Reading
			D			Transmission
Pressure				10		1.0MPa
				16		1.6MPa
Accessory					N	Grounding Ring
					P	Pressure Sensor

Example:

	①	②	③	④	⑤
EMW	50	R1	M	10	N
	① 50:DN50			④ 10: 10MPa	
	② R1: 1:160			⑤ N: Grounding Ring	
	③ M: Remote Reading				

