

# Electromagnetic Water Meter



## Description

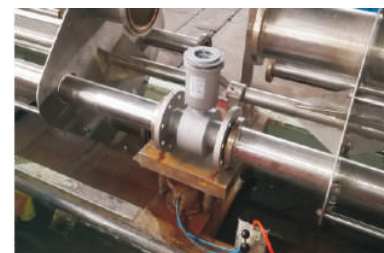
LDW electromagnetic water meter is a battery-powered electromagnetic induction water meter. Battery-powered can be installed without sacrificing accuracy and performance. Installed anywhere, without requiring mains power, it is designed specifically for individual water applications such as water treatment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

## Technical Parameters

<b>Sensor</b>	
<b>Model</b>	LDW Electromagnetic Water Meter
<b>Connection</b>	Flange(GB/T9119-2010)
<b>Measured</b>	Instantaneous Flow, Cumulative Flow, Pressure(Optional)
<b>Diameter(mm)</b>	DN50-DN300
<b>Pressure(MPa)</b>	1.0MPa-4.0MPa
<b>Liner Material</b>	Rubber
<b>Conductivity</b>	$\geq 20\mu\text{s/cm}$
<b>Electrode Material</b>	SS316L
<b>Protection</b>	IP68
<b>Temperature</b>	Medium Temperature: 0°C...+70°C Ambient Temperature: -25°C...+70°C Storage Temperature: -40°C...+70°C
<b>Housing</b>	Stainless steel



<b>Converter</b>	
<b>Type</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Basic Reading         </div> <div style="text-align: center;">  Remote Control         </div> <div style="text-align: center;">  GPRS Model         </div> </div>
<b>Protection</b>	IP68
<b>Measurement Range</b>	0m/s~±15m/s continuous measuring
<b>Accuracy</b>	±1% FS, ±2% FS, standard GB/T778-2007
<b>Power</b>	3.6V Battery
<b>Battery Lift</b>	Communication Battery 1.5Y ~ 6Y (Lab test results will be influenced by means of communication and
<b>Magnetizing Frequency</b>	Lock mode: 6.25HZ; Test mode: 1/15 HZ
<b>Flow Direct</b>	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.
<b>Display Mode</b>	Multiple display modes, 9 combinations, display instantaneous flow, positive, negative cumulative flow, net flow, etc.
<b>Display &amp; Control</b>	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 points 2 digits), can adjust the accuracy automatically, can display the instrument diagnosis and alarm status, user password control, menu setting parameters.
<b>Output</b>	GPRS, RS485 Communication
<b>Alarm</b>	Alarm status display, sensor fault, transformer fault, battery undervoltage, empty tube, measurement status alarm, output alarm, etc.
<b>Pressure Sensor</b>	
<b>Pressure Range</b>	0-4.0Mpa
<b>Power Supply</b>	3.6V Battery
<b>Ambient Temperature</b>	-25°C~+85°C
<b>Response Time</b>	2ms
<b>Accuracy</b>	Sum of Linear, Retarded, and repeatable<+/- 0.3% FS
<b>Housing</b>	Stainless Steel
<b>Note</b>	Pressure sensor 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.
<b>Thread Size</b>	1/2 inch

## Model Selection

LDW	Model					Description
	①	②	③	④	⑤	
<b>Diameter</b>	50					DN50
	65					DN65
	80					DN80
	100					DN100
	125					DN125
	150					DN150
	200					DN200
	250					DN250
<b>Range Ratio</b>		R1				R=160
		R2				R=250
		R3				R=400
<b>Converter Type</b>			B			Display
			M			Remote Reading
			D			Transmission
<b>Pressure</b>				10		1.0MPa
				16		1.6MPa
<b>Accessory</b>					N	Grounding Ring
					P	Pressure Sensor

### Example:

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

