

## INTRODUCTION →

SDLDC series plug-in electromagnetic flowmeter is a new type of flow meter developed on the basis of the pipeline electromagnetic flowmeter. Aiming at the difficulty of installing the pipeline electromagnetic flowmeter on the pipeline and the high cost, the plug-in electromagnetic flowmeter can be installed without stopping the water supply, and can be installed on cast iron pipes and cement pipes.



## FUNCTION:

1. Measure instantaneous flow. Measure the cumulative flow
2. Flow limit setting. Flow Range setting
3. Lower limit of flow alarm. Flow limit alarm. Anti radio interference function. Pipeline empty pipe alarm
4. Instrument failure alarm
5. Total flow is recorded in hours/minutes/seconds
6. Output: pulse signal, output current signal.
7. Transmit the collected data to the operating system or automatic control system through communication cable or wireless mode (GPRS/4G/NB-IOT/LoRa/LoRaWAN.)
8. Two way measurement system, forward total amount, reverse total amount and difference total amount, can display positive and reverse flow.

## APPLICATION:

- ✓ Water supply and drainage projects
- ✓ Non-ferrous metallurgical industry
- ✓ Coal slurry in the coal preparation plant
- ✓ Chemical industry
- ✓ Iron and steel industry

## ELECTRODE MATERIALS :

Electrode	Application
SS316L	Nitric acid, sulfuric acid with concentration <5% at room temperature, weak acid, alkali solution, sulfite under certain pressure, sea water, acetic acid and other media have strong corrosion resistance.
Hastelloy B Hastelloy C	It can resist the corrosion of oxidizing acids, such as nitric acid, mixed acid, or mixed medium of chromic acid and sulfuric acid, and also can resist the corrosion of oxidizing salts, such as Fe <sup>++</sup> , Cu <sup>++</sup> . Or hypochloric acid and alkali, seawater
Titanium	It is resistant to the corrosion of seawater, various chlorides, hypochlorites, chlorinated acids, organic acids, alkalis, etc., and is not resistant to the corrosion of relatively pure reducing acids (such as sulfuric acid and hydrochloric acid)

## SPECIFICATION :

Nominal Dia (mm)	
Measuring Range	0.5m/s-10m/s
Accuracy grade	±1.5%, ±2%, ±2.5%
Conductivity of medium	≥5μs/cm
Process Temperature	-10°C~70°C
Display Unit	Unit in M3, Litre
Protection	ClassIP68, IP65
Detector materials	ABS , Nylon
Electrode Material	SS316L, Hastelloy, Titanium, etc
Output	Std. 4 – 20 mA,0Hz~5kHz
Communication	RS485 / Hart / GPRS
Materials of sensor	Stainless steel
Power Supply	AC220V/DC24V/DC3.6V
End Connection	Flange or thread
Flange Standard	ANSI / DIN / GB / JIS

## Shengda Water Meter since 1995

Established in 1995, Shengda Water Meter Co., Ltd is one of leading manufacturer of water meters and flow meters in China. The company also provides total solutions for smart flow metering, control, telemetry and smart water meter reading system.



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