



SCL-76 Insertion Ultrasonic Flowmeter

Scope of Application:

SCL-76 is widely used in petroleum industry, chemical industry, electric power station, and water supply /drainage facilities, especially for industrial field with no power supply environment.



Features:

- Nominal diameter: DN100~DN2000.
- Provides sustained accuracy within $\pm 0.5\%$.
- Integrated mechanical design with protection class of IP68.
- Mounting in any installation position without the flow stop.
- Battery powered, with lifetime over 10 years (measuring cycle: 1s).
- Ideal for difficult circumstances without power supply.
- Optional with single-channel or multi-channel transducer.
- Communication interface: Photoelectric Interface, RS-485, (4-20)mA+HART.

Technical Parameters:

Item	Parameter
Number of Sonic Channels	2/4-channels (Selectable)
Nominal Diameter, mm	DN100~DN2000
Accuracy	Class 0.5
Medium	Water or other homogeneous fluids in full pipe flow
Adaptable Pipe Material	Material like steel, cast iron, cement, PE, and PVC etc, which pipeline can be drilled for mounting
Adaptable Flow rate	0m/s~12m/s
Temperature of Liquid Measured	Normal-temperature version: 0°C~50°C, High-temperature version: 0°C~130°C
Max.Pressure-bearing Capacity of the Transducer	≤2MPa
Type of Transducer	Insertion-type
Climatic Environment	Temperature: -10°C~+45°C; Relative humidity: ≤85% (For special environment, please specify on ordering)
Operation	Magnetic induction key
Display Indication	LCD, 9-digital+prompting character (word height: 8.5mm)
Values Displayed	Instantaneous flowrate (m ³ /h) , Accumulated flowrate (m ³) Accumulated effective running time (h) , Date (Year/Month/Date) , Time (Hour/Minute/Second) Signal strength indication, Battery power, Flow direction, etc
Range of Display	Accumulated flowrate: -199999999m ³ ~+199999999m ³ , Instantaneous flowrate: -9999999.9m ³ /h~+9999999.9m ³ /h
Data Communication	Photoelectronic Interface Baudrate: 2400bps, EN13757 protocol
	RS-485 Baudrate: 2400bps, 4800bps, 9600bps selectable , default: 2400bps , Transmission distance≤1200m EN13757 protocol, Huizhong protocol, Modbus protocol selectable , default: Huizhong protocol
	(4-20)mA+HART Output: Passive output, supply voltage: DC (18~30) V, electrical load: (250~500)Ω
Data storage(EEPROM)	Storage by EEPROM of cumulative flowrate and effective running time. (Data can be saved for a period of 100 years after power failure) Automatic storage of historic monthly accumulated flowrate and effectively effective running time of past 24 months
Measuring Cycle	1 Second
Power Spply	Battery DC3.6V (One battery can work continuously over 10 years)
Power Consumption	<0.4mW
Protection Class	IP68

Dimension(mm):
