

KSLV606 Capacitive Level Sensor

Introduction

The KSLV606 capacitive level sensor produced by Kacise is a small range level sensor, can be used to measure a variety of liquids, no moving parts inside, not affected by steam. It also has a good physical filtering effect for liquid fluctuations, making the measurement result fluctuate less, and the use of multiple capacitor detection plate technology, the maximum measurement range is greatly improved, and more flexible, and can help troubleshoot sensor faults.

The KSLV606 sensor has the advantages of miniaturization, long-term reliability, high temperature resistance, high sensitivity, good linearity, customizable length, customizable output, customizable protection level, and customizable corrosion resistance process. The output is RS485, two-wire 4-20mA, voltage output, switching output, RS485 to 4G, RS485 to Bluetooth and other output modes. Widely used in water treatment, paper making, petrochemical, metallurgy, electric power, pharmaceutical.

Feature

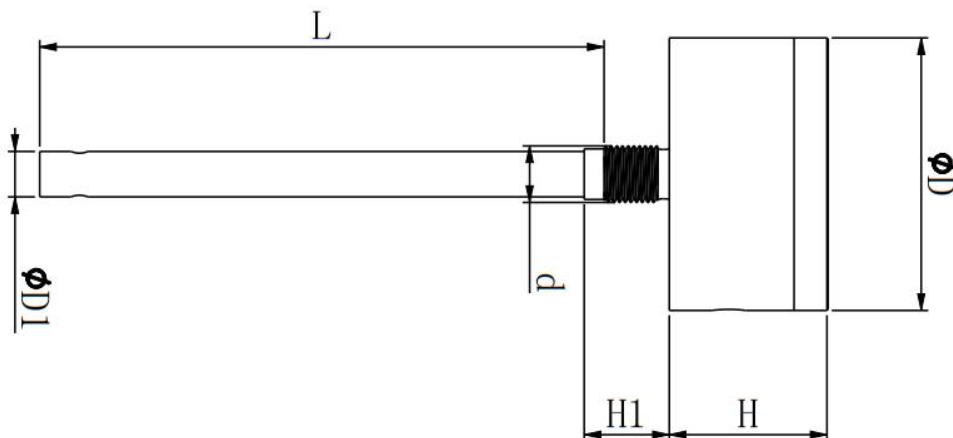
- The MODBUS RTU protocol is easy to integrate.
- Multiple output types to choose from.
- Customizable output.
- Customizable protection level.
- Corrosion resistance process can be customized.
- No moving parts, reliable and stable work.
- Can measure any liquid medium.
- Can measure the level of fluctuating liquid.

Technical Specifications

Range	5cm-20cm
Accuracy	±2%
Capacitance measurement range	10PF~500PF
Protection level	IP65; IP68(Can customize)
Pressure range	Can customize(Default normal pressure)
Probe temperature resistance	-200°C~200°C
Ambient temperature	-40°C~85°C
Output	RS485; 4-20mA; 0-10V; Switch(Can customize)
Power supply voltage	5~36V DC; 12~36V DC(analog output)
Level sensor material	304 Stainless Steel; PVC; PTFE
Long-term stability	<0.1%FS/Year
Temperature drift	<0.01%FS/°C

Dimension

D=48mm, H=29mm, d=M10*1mm(Mounting thread), L=Range, D1=8mm



Voltage output wiring:

Red: VCC Black: GND Yellow: 0-5V Blue: RS485A Green: RS485B

Current output wiring:

Red: Loop+ Loop: Loop- Yellow: Null Blue: RS485A Green: RS485B

485 Output cable wiring:

Red: VCC Loop: GND Yellow: Null Blue: RS485A Green: RS485B

For other and customized wiring methods, see the label on the sensor, or consult the after-sales personnel.