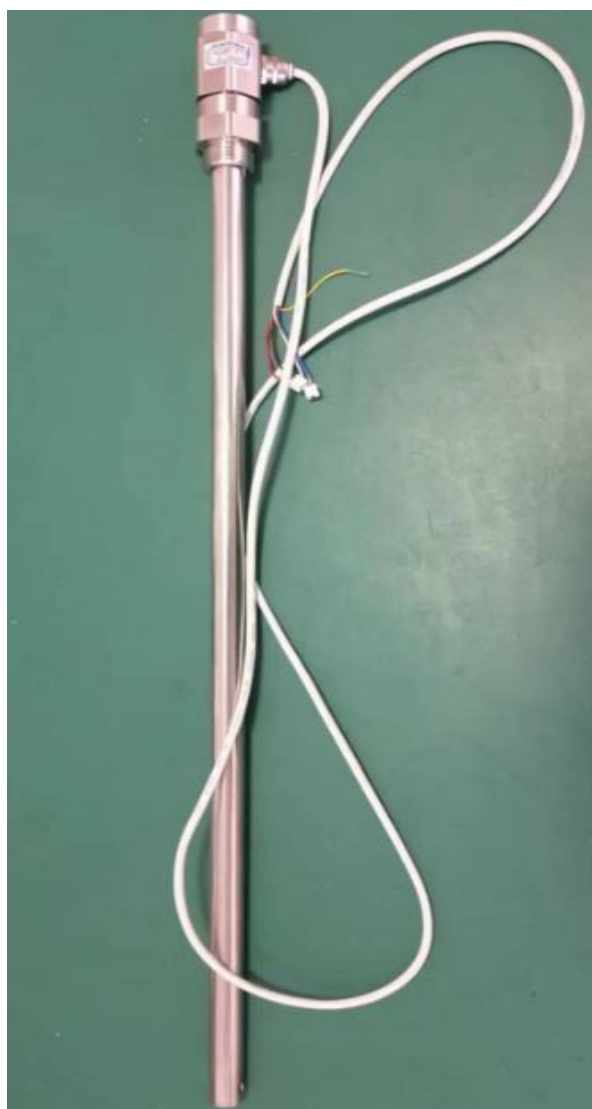


KLV200 Capacitive Level Sensor



General Description

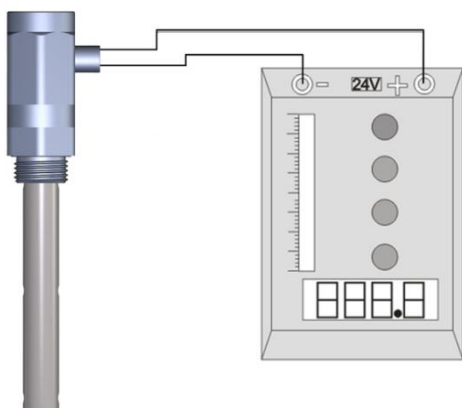
KLV200 capacitive liquid level sensor can be used for liquid level measurement. Without moving parts, the reliability is greatly improved. The sensor is not affected by water vapor, dust or condensation, and has the advantages of stable and reliable long-term operation, high sensitivity, good linearity, high temperature, high pressure resistance, etc. The liquid level sensor has a two-wire (loop powered) 4~20mA DC measurement signal or Modbus RS485 and can be widely used in petroleum, chemical, metallurgy, electric power, paper, pharmaceutical and other fields.

Feature

- Simple structure without any movable or elastic components.
- Designed for high temperature and high pressure containers.
- High temperature stability and not affected by the gravity of the liquid measured , the shape and pressure of the container.
- Suitable for the measurement of strong corrosive liquids such as acid and alkali.
- Overcurrent, overvoltage and reverse polarity protection.
- Wide types of medium compatibility.
- High durability and repeatability

Specification

- Detection range: 0.1~30m
- Capacitance measurement range: 10PF~500PF
- Accuracy: 0.1%FS, 0.2%FS, 0.5%FS, 1%FS
- Pressure range: -0.1MPa~32MPa
- Probe temperature resistance: -50~250℃
- Ambient temperature: -40~85℃
- Storage temperature: -55℃~+125℃
- Output signal: 4~20mA, 485 communication, etc.
- Power supply voltage: 5~36V DC
- Level sensor material: 316 stainless steel, 1Gr18Ni19Ti or PTFE
- Long-term stability: $\leq 0.1\%FS/year$,
- Temperature drift: $\leq 0.01\%FS/^\circ C$ (within the range of 0~70 ℃)
- Explosion-proof grade: ExibIICT6
- Protection level: IP67
- 16mm diameter probe



Wire connection

Ordering Information

Model					
KLV200	Without Display				
	Output				
	4-20mA	4-20mA			
	RS485	RS485			
		Range			
		L500	500mm		
		L800	800mm		
		L1000	1000mm		
		Lxxx	Customize		
			Medium		
			Water		
Others	Accuracy				
KLV200	4-20mA	L800	Water	0.5	