



principle structure

Input type by high performance liquid level transmitter diffused silicon piezoresistive pressure sensor as a measuring element, is proportional to the depth of the liquid level of the hydrostatic pressure measured accurately, and through the signal conditioning circuit is converted into standard (current or voltage) signal output, establish the output signal and the depth of the liquid, the linear relation between implementation on the depth of liquid measurement. The product has high precision, small volume, directly put into the liquid, can measure the liquid height from the end of the transmitter to the liquid level, easy to use.

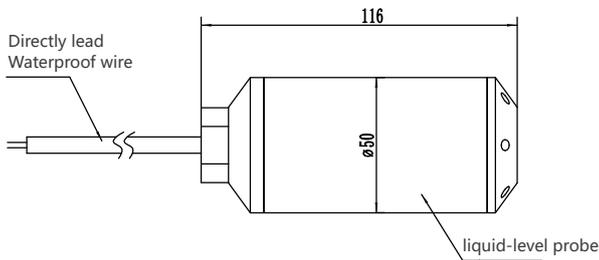
product application

It is suitable for level measurement and control in petroleum, chemical industry, power plant, urban water supply and hydrologic exploration.

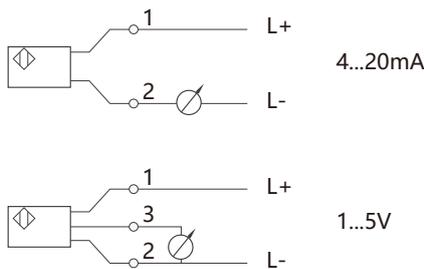
Product features

- High-performance diffused silicon piezoresistive sensor
- Probe input measurement mode, simple and convenient installation
- Multiple protection structure design, high protection ability
- Various styles, suitable for various industrial occasions
- Selection of anti-corrosion stainless steel material, suitable for a variety of occasions

Size chart (mm)



wiring diagram



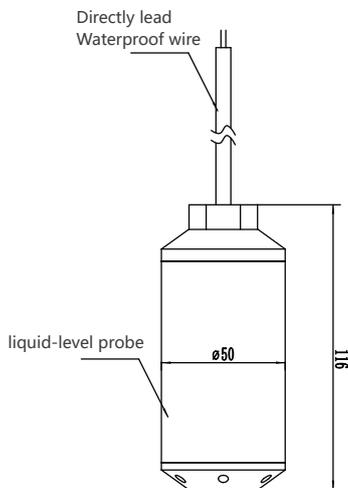
Technical parameters

- ◇ Range: 0~0.5m... 200 m water column
- ◇ Pressure type: gauge pressure
- ◇ Power supply: 24VDC, 12VDC
- ◇ Output signal: 4~20mA, 1~5V, 0~5V, 0 ~ 10 v, 1 ~ 10 v
- ◇ Compensation temperature: -10~70°C
- ◇ Working temperature: -40~85°C
- ◇ Storage temperature: -40~125°C
- ◇ Zero point temperature drift: ±2%FS
- ◇ Sensitivity temperature drift: ±2%FS
- ◇ Overload pressure: 150%FS
- ◇ Mechanical vibration: 20g (20-5000HZ)
- ◇ Impact: 100g (11ms)
- ◇ Comprehensive accuracy: 0.5%FS
- ◇ Long-term stability: ±0.2%FS/ year
- ◇ Response time: ≤1ms (up to 90%FS)
- ◇ Insulation: 100MΩ/250VDC
- ◇ Material: liquid level probe all stainless steel
cable material polyurethane conductor
- ◇ Media compatibility:
all kinds of media compatible with 304 stainless steel
Special media can be customized material
- ◇ Protection class: IP68

Selection table

L M 102-	500	L 2	A	PV	detailed
LM102-					LM102 anti-corrosion static pressure input level transmitter
	500				Pressure range: 500mmH2O
	1				Pressure range: 1mH2O
	2				Pressure range: 2mH2O
	3				Pressure range: 3mH2O
	5				Pressure range: 5mH2O
	30				Pressure range: 30mH2O
	60				Pressure range: 60mH2O
	100				Pressure range: 100mH2O
	200				Pressure range: 200mH2O
		L2			Cable length: L2=2m cable length
		-			Note: Cable length > range
			A		4-20mA
			V05		0-5V
			V15		1-5V
			V010		0-10V
			V110		1-10V
				PV	PVC conductor
				PF	PTFE conductor
				S	Metal hose

product installation



1. The liquid level lead should be vertically downward 90 degrees to prevent water from the wiring end. The connection should be waterproof
2. Put the liquid level probe into the water, preferably fixed and far away from the water inlet