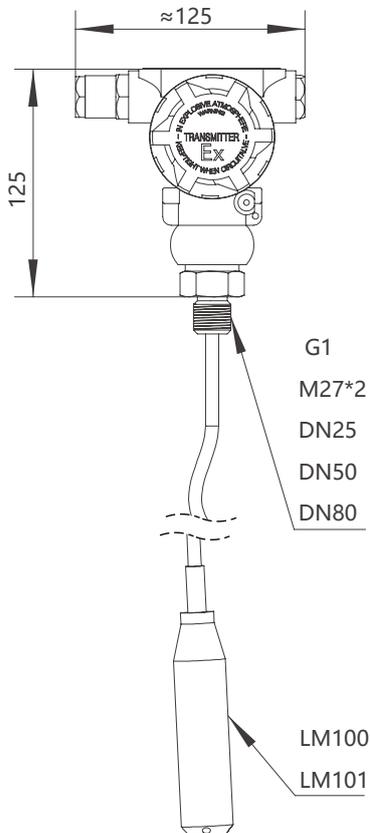




product application

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

Size chart (mm)



principle structure

The input level transmitter is made of high performance diffused silicon piezoresistive pressure sensing As a measuring element, the static pressure of liquid is proportional to the depth of liquid level Make sure it is measured and converted into a standard (current or current) by the signal conditioning circuit Voltage) signal output, set up a linear pair between the output signal and the liquid depth Should relation, realizes to the liquid depth measurement. High precision and small volume, The liquid from the end of the transmitter to the surface can be measured by putting it directly into the liquid Height, easy to use.

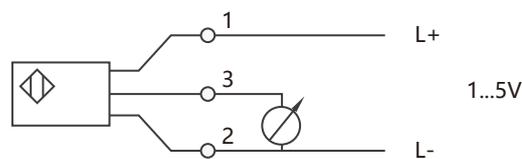
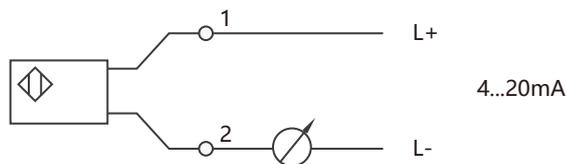
Product features

- high-performance diffusion silicon piezoresistive sensor
- probe input measurement method, easy to install
- multiple protection structure design, high protection capability
- various styles, suitable for various industrial occasions
- selection of anticorrosive stainless steel material, suitable for a variety of occasions

Technical parameters

- ◇ range: 0~0.5m... 200 m water column
- ◇ pressure types: table pressure, absolute pressure
- ◇ power supply: 24VDC, 12VDC
- ◇ output signals: 4~20mA, 1~5V, 0~5V
- ◇ compensation temperature: -10~70°C
- ◇ operating temperature: -40~85°C
- ◇ Storage temperature: -40~125°C
- ◇ Zero temperature drift: ±2%FS
- ◇ sensitivity temperature drift: ±2%FS
- ◇ overload pressure: 150%FS
- ◇ mechanical vibration: 20g (20-5000hz)
- ◇ impact: 100g (11ms)
- ◇ comprehensive precision: 0.1, 0.3, 0.5 level optional
- ◇ long-term stability: ±0.2%FS/ year
- ◇ response time: ≤1ms (up to 90%FS)
- ◇ Cardiac insulation: 100 m Ω / 250 VDC
- ◇ material: low copper aluminum alloy junction box;
The liquid level probe is all stainless steel cable
made of polyurethane conductor
- ◇ media compatibility:
all media compatible with 304 stainless steel,
Special media can be customized material
- ◇ protection level: IP65

wiring diagram



Selection table

LM110-	0500	L2	A	PV	G1M	G	E	0	detailed
LM110									LM110 Hydrostatic input level transmitter
	0500								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
					G1M				Mounting thread: G1 external thread
					M27M				Mounting thread: M27*2 external thread
					F25				Flange connection: DN25
					F50				Flange connection: DN50
					F80				Flange connection: DN80
						G			Electrical connection: Electric Gran Head (PG13.5)
						M20K			Electrical connection: M20*1.5 internal thread
						G12K			Electrical connection: G1/2 internal thread
						N12K			Electrical connection: NPT1/2 internal thread
							E		explosion-proof
							S		No explosion-proof
								0	No display
								1	With digital LIQUID crystal display