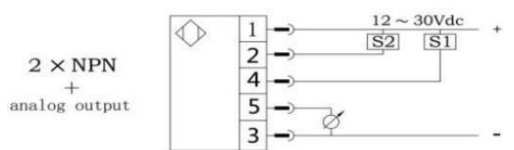
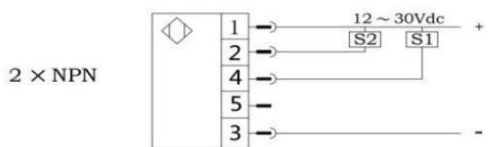
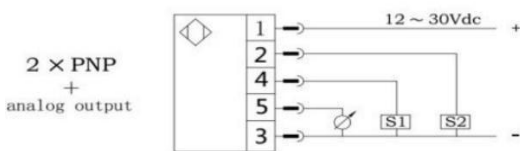
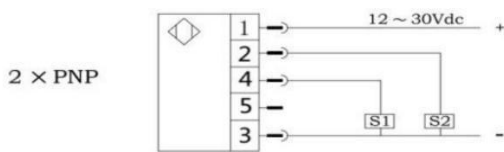




wiring diagram



application

- ◆ Food/Pharmaceutical
- ◆ power plant
- ◆ petrification
- ◆ Pulp/paper
- ◆ water treatment
- ◆ boiler

principle and characteristics

LF60E series of high-precision sensors for temperature measurement, the signal processed by the rear processing circuit is converted into standard industrial electrical signal output and display.

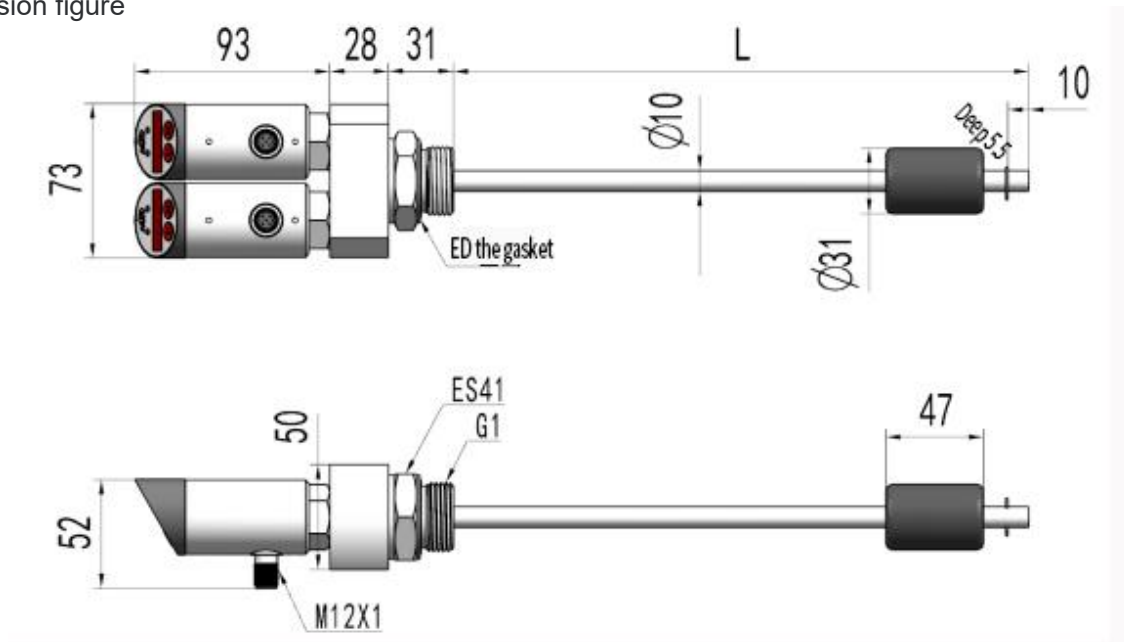
Float ball is in the closed non-magnetic stainless steel tube equipped with a dry reed tube, the floating ball is equipped with an annular magnetic ring, the floating ball moves with the rise or fall of the liquid level, thus triggering or releasing the magnetic reed switch in the stainless steel tube, sending a switch signal.

- ◆ Full metal housing design
- ◆ Highlight LED digital display, so that this series of products can be used in various industrial occasions.
- ◆ Double key design and user-friendly menu make the product easier to use.
- ◆ Multiple connection modes can fully meet various specific installation requirements.
- ◆ The display head can rotate 330° to ensure the best viewing Angle under different installation modes.
- ◆ Dual display control gauge can display and monitor temperature and liquid level at the same time. The switch alarm point can be set freely within the range of measurement; Independent analog output.

technical specification

- ◆ Measurement range: user-defined
- ◆ Measurement medium: corrosive compatible with 304 stainless steel liquid
- ◆ withstand voltage: 50bar
- ◆ medium density: $\geq 0.7g/cm^3$
- ◆ supply voltage: 12...30Vdc
- ◆ No-load current consumption: maximum 30mA, 24VDC power supply
- ◆ switched output
Output type: PNP, NPN optional normally open normally closed can be set S1, S2 output current: <500mA
- ◆ Response time <10ms
- ◆ Switching accuracy: $\leq \pm 0.5\%$ range
- ◆ Current type analog output: $\leq \pm 0.5\%$ range
- ◆ Output type: 4... Can be set to 20 ma
- ◆ load RA: $\leq 0.5K\Omega$
- ◆ Linearity: $\leq 1.5\%$ range
- ◆ Wiring protection: reverse phase, overload, short circuit protection
- ◆ display: Design: red 4-bit 8mm high brightness LED
Display range: 999... 9999
- ◆ Accuracy: $\leq \pm 0.5\%$ range
- ◆ Stability (annual drift) : $\leq \pm 0.3\%$ range
- ◆ temperature: Medium temperature: 0... 100°C (special range can be customized)
Ambient temperature: -20... 80 °C
Storage temperature: -30... 80 °C
- Materials: Shell of the watch head: engineering plastic
Shell: 304 stainless steel
Medium contact part: stainless steel 304
- Float ball: 304 stainless steel or NBR material (can be customized)
- ◆ Protection grade: IP67
- ◆ Outgoing way: M12X1 connector

dimension figure



Selection table

LF60E-	A	P	A	A	1	S	L	B	specification
LF60E-									LF60E Series Integrated Dual Meter Display Liquid Level Temperature Switch Sensor
	A								2 liquid level switches +2 temperature switches
	B								2 liquid level switches +2 temperature switches +1 liquid level analog 4–20mA output +1 temperature analog 4–20mA output
	C								2 level switches +2 temperature switches +1 level analog 1–5V output +1 temperature analog 1–5V output
		P							PNPoutput
		N							NPNoutput
			A						Range 0... 100 °C
			B..						Customize the range, e.g. -0... 120°C, selection: C0... 120
				A					Thread connection with external thread
					1				Interface thread: G1
									Custom thread
						L			Range: L= mm (unit)
							S		M12*1 connector (standard with 2 meters wire)
								B	Float material: NBR
								X	Float material: 304 stainless steel
								G	Float material: high temperature resistant
								S	Special customization (corrosion resistance)

* The selection table is only available for parameter selection, and the corresponding code is delivered.