

Thread model



The flange type



principle and characteristics

LF60D 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.

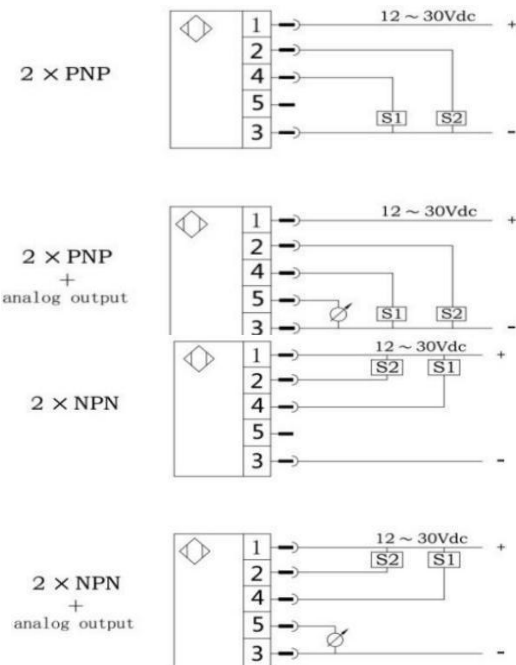
application

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

technical specification

- ◆ Measurement range: user-defined
- ◆ Measurement medium: corrosive compatible with 304 stainless steel liquid
- ◆ withstand voltage: 50bar
- ◆ Medium density: $\geq 0.7\text{g/cm}^3$
- ◆ 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

wiring diagram



S1, S2 output current: <500mA

- ◆ Response time <10ms
- ◆ Switch 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: $\leq 0.5\text{K}\Omega$
- ◆ 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

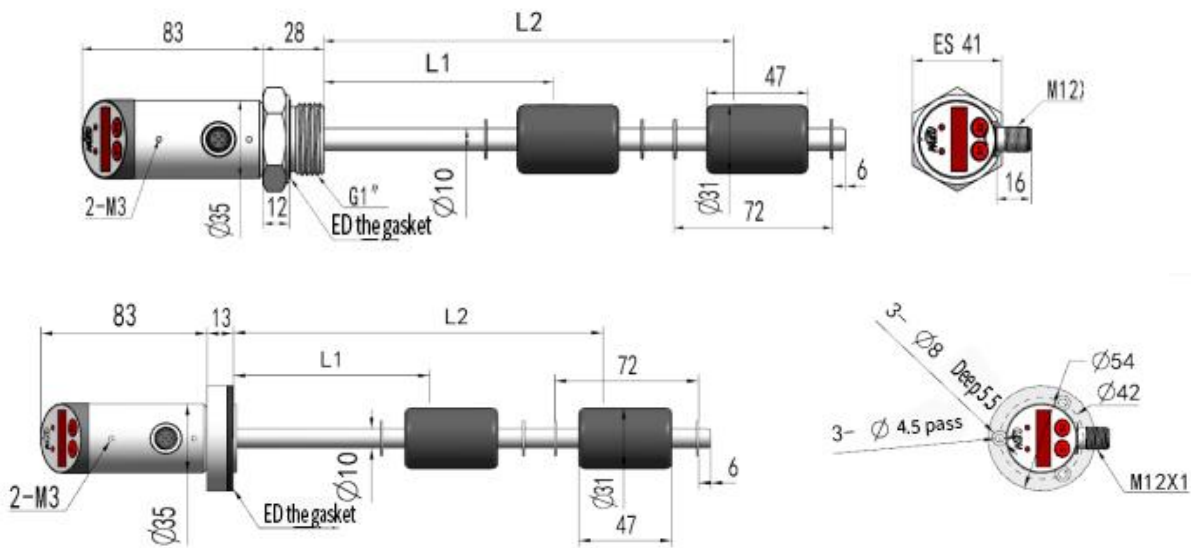
Shell: 304 stainless steel

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

LF60D-	A	P	A	A	1	S	L1	F	L2	N	B	specification
LF60D-												LF60D series electronic temperature display liquid level
	A											2 temperature switches +1 liquid level switches
	B											1 temperature switch +1 temperature analog 4-20mA output
	C											1 temperature switch +1 temperature analog 1-5V output +1 liquid level switching quantity
	D											1 temperature analog 4-20mA output +2 liquid level
	E											1 temperature analog 1-5V output +2 liquid level
	F											2 temperature switches +2 liquid level switches
		P										PNP output
		N										NPN output
			A									Range 0... 100 °C
			B..									Customize the range, e.g. -0... 120°C, selection: C0... 120
				A								Thread connection with external thread
				B								flanged joint
				C								Sanitary chuck connection
					1							Interface thread: G1
						S						Custom thread
							L1					M12*1 connector (standard with 2 meters wire)
								L1				Alarm point: L1= mm (unit)
									N			The liquid level is normally open for output
									F			The liquid level is normally closed for output
										L2		Alarm point: L2= mm (unit)
											N	The liquid level is normally open for output
											F	The liquid level is normally closed for output
											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.