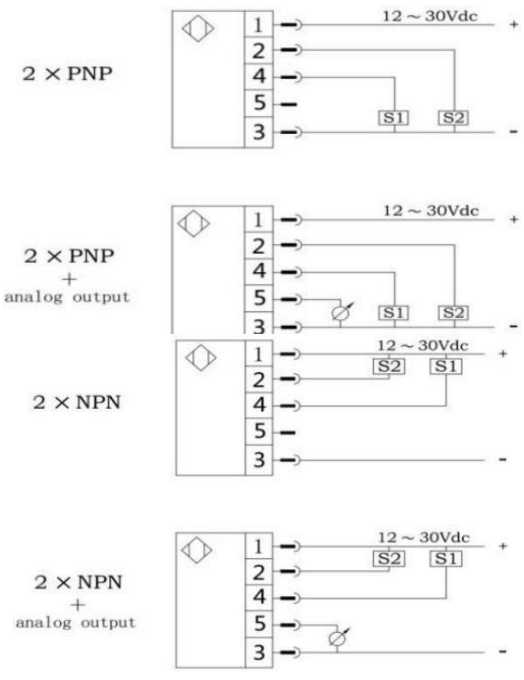
Thread model

The flange type

wiring diagram



principle and characteristics

LF60C 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
- petrifaction
- Pulp/paper
- water treatment
- boiler

technical specification

- Measurement range: user–defined
- Measurement medium: corrosive compatible with 304 stainless steel liquid
- Pressure: 50bar
- Medium density: ⩾0.7g/cm³
- Power 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
- Switch accuracy: ⩽ ± 0.5% range
- Current type analog output: ⩽ ± 0.5% range
- Output type: 4... Can be set to 20 ma
- load RA:⩽0.5KOhm
- Linearity: ⩽ 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: ⩽ ± 0.5% range
- Stability (annual drift) : ⩽ ± 0.3% range
- temperature：Medium temperature: 0... 100℃(special range can be customized)

Ambient temperature: –20... 80 ℃

Storage temperature: –30... 80 ℃

- materials：Shell of the watch head: engineering plastic

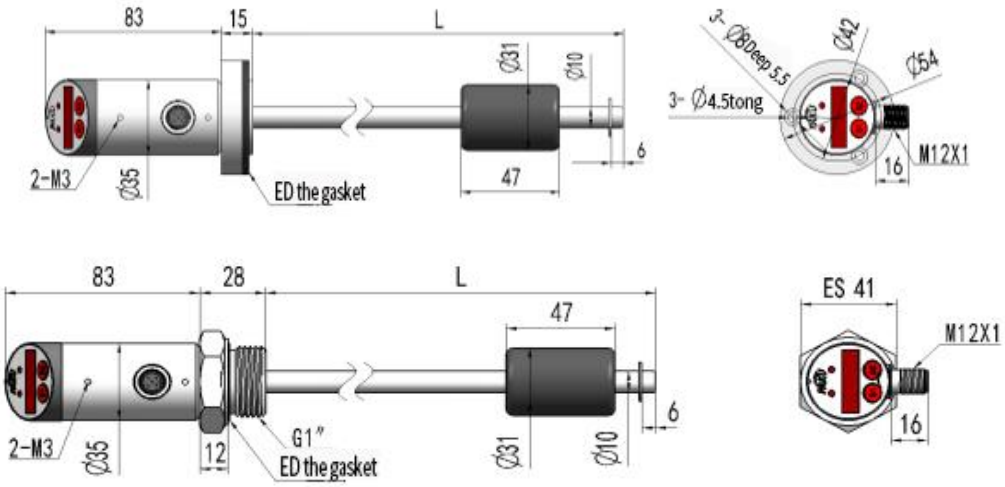
Shell: 304 stainless steel

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

LF60C-	A	P	A	1	S	50	N	60	N	B	specification
LF60C–											LF60C series electronic liquid level display temperature integrated switch sensor
	A										2 liquid level switches +1 temperature switches
	B										1 level switch +1 level analog 4–20mA output +1 temperature switch
	C										1 liquid level switch +1 liquid level analog output 1–5V +1 temperature switch
	D										1 liquid level analog 4–20mA output +2 temperature switching quantities
	E										1 liquid level analog quantity 1–5V output +2 temperature switching quantity
	F										2 level switches +2 temperature switches
		P									PNPoutput
		N									NPNoutput
			A								Thread connection with external thread
			B								flanged joint
			C								Sanitary chuck connection
				1							Interface thread: G1
											Custom thread
					S						M12*1 connector (standard with 2 meters wire)
						50					The first temperature alarm point: temperature = ℃
							N				Temperature normally on output
							F				Temperature normally closed output
								60			The second temperature alarm point: temperature = ℃
									N		Temperature normally on output
									F		Temperature normally closed 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.