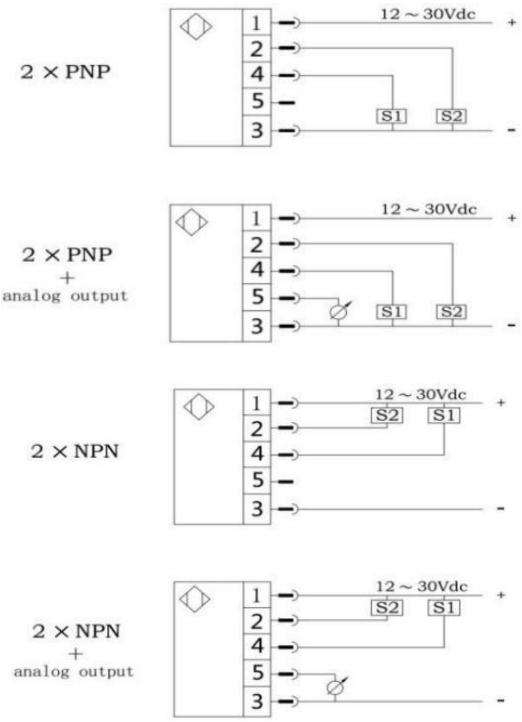
Thread model

The flange type

wiring diagram



principle and characteristics

LF600 series adopts magnetic induction technology sensor for liquid level measurement, the signal is processed by the rear processing circuit and 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

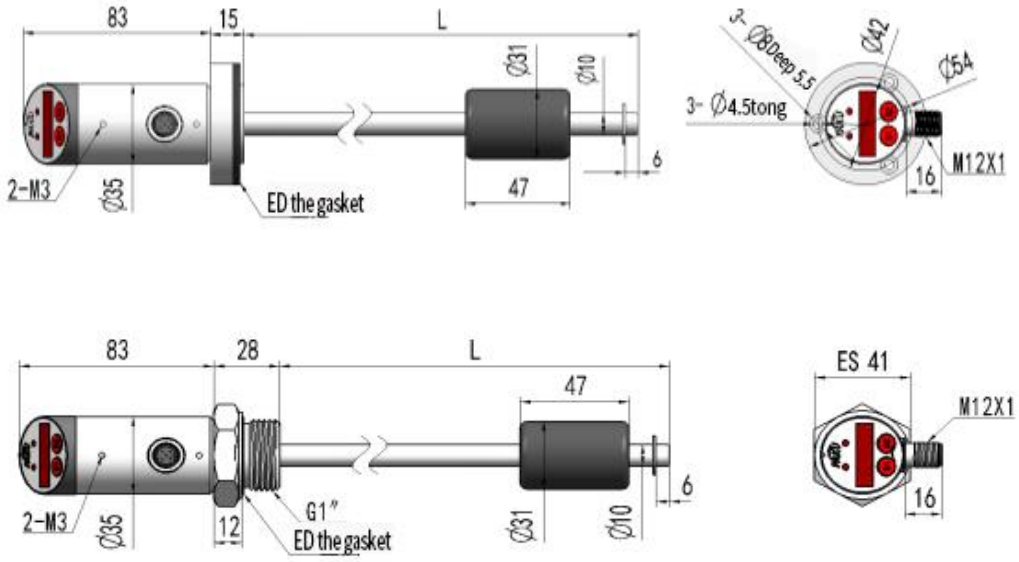
technical specification

- 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: 0.5 KOhm or less
- 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：–20...80℃
  environment 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

LF600-	A	P	A	1	S	L	B	specification
LF600–								LF600 series electronic level switching sensor
	A							2 switches output
	B							2 switching quantities +1 analog quantities 4–20mA output
	C							2 switching quantities +1 analog quantities 1–5V output
		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)
						L		Measuring range: L= mm (unit)
							B	Float material: NBR
							X	Float material: 304 stainless steel
							S	Special customization (corrosion resistance)

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