

Thread model



The flange type



principle and characteristics

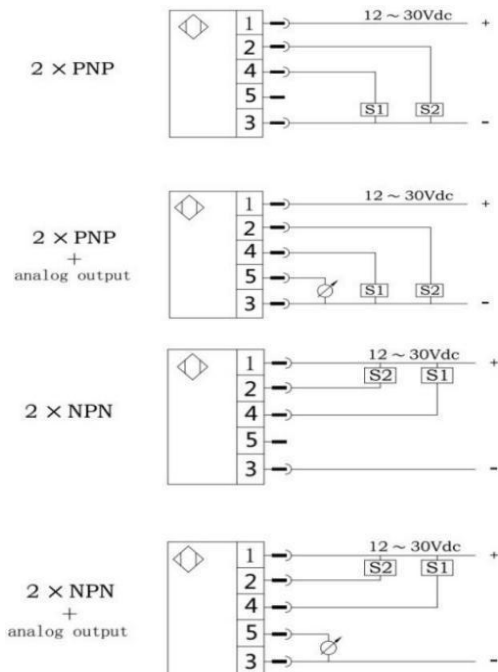
The LF60A Series Compact Static Level Transducer uses an isolated diffused silicon pressure sensor. The liquid level pressure changes the value of the stress measuring element, thereby changing the measuring signal, which is processed by an integrated circuit and converted into an industrial standard electrical signal output.

- ◆ 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.
- ◆ for use in non-crystalline media
- ◆ can do high precision anti-clogging products, can measure viscous media.
- ◆ Teflon coating can be added to meet the requirements of corrosion resistance.

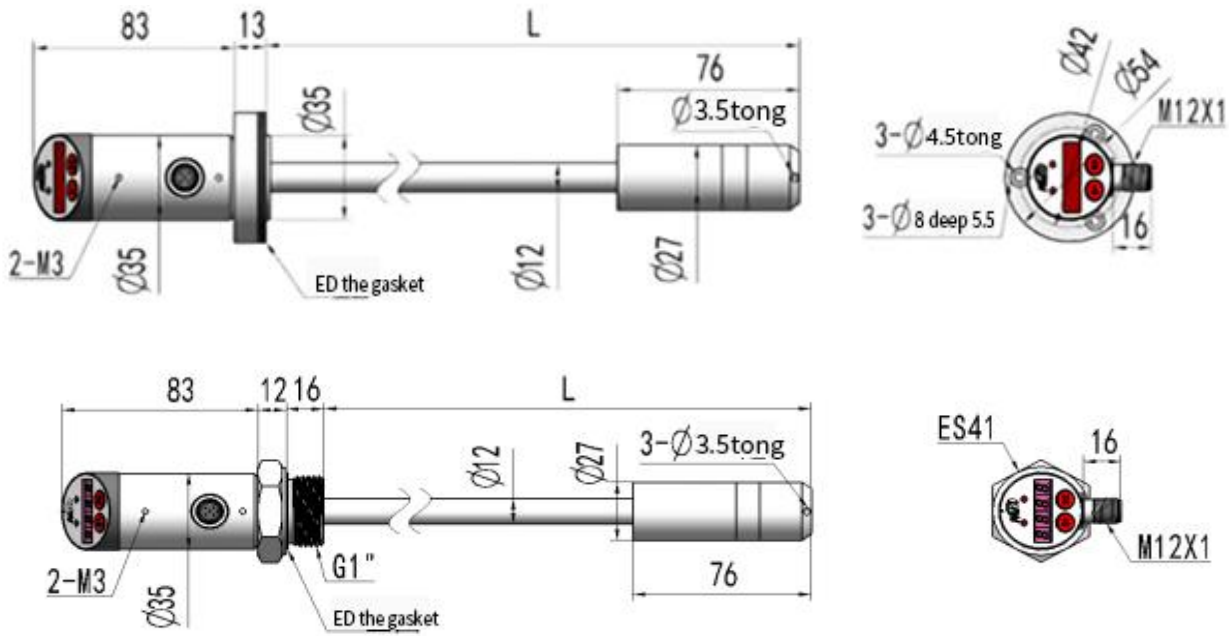
technical specification

- ◆ Measurement range: user-defined
- ◆ Overload pressure: 1.5 times measurement range (1bar=1019.7cm water column)
- ◆ Measurement medium: corrosive compatible with 304 stainless steel liquid
- ◆ Pressure: 50bar
- ◆ Medium density:  $\geq 0.7g/cm^3$
- ◆ 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:  $\leq \pm 0.5\%$  range
- ◆ Current type analog output:  $\leq \pm 0.5\%$  range
- ◆ Output type: 4... Can be set to 20 ma
- ◆ load RA: 0.5 KOhm or less
- ◆ Linearity:  $\leq 0.5\%$  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) :  $\leq \pm 0.02\%$  range
- ◆ temperature:  
medium temperature:  $-10...70^\circ C$   
environment temperature:  $-35...85^\circ C$   
storage temperature:  $-40...125^\circ C$
- ◆ materials: Shell of the watch head: engineering plastic  
Shell: 304 stainless steel  
Medium contact part: 304 stainless steel, Teflon coating (anticorrosive type)  
Float: 304 stainless steel
- ◆ Protection grade: IP67
- ◆ Outgoing way: M12X1 connector

wiring diagram



dimension figure



Selection table

LF60A-	A	A	P	A	1	1	S	L	B	specification
LF60A-										LF60A series electronic level switch sensor
	A									Bar type standard type
	B									split type
	B..									Connecting cable length, standard 2m,
	Z									Mounting bracket (split type optional)
		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							PNP output
			N							NPN output
				A						Thread connection with external thread
				B						flanged joint
				C						Sanitary chuck connection
					1					Interface thread: G1
						1				Custom thread
						2				Liquid material: 304 stainless steel
						3				Liquid material: 316L stainless steel
										Liquid material: anti-corrosion
							S			M12*1 connector (standard with 2 meters wire)
								L		Measuring range: L= mm (unit)

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