

LSG500 SERIES FLOATING TYPE LEVEL TRANSMITTER

FEATURES

- ◎ Armored floating structure, easy to fix and install
- ◎ Intrinsically safe and explosion-proof
- ◎ Various installation methods available



INTRODUCTION

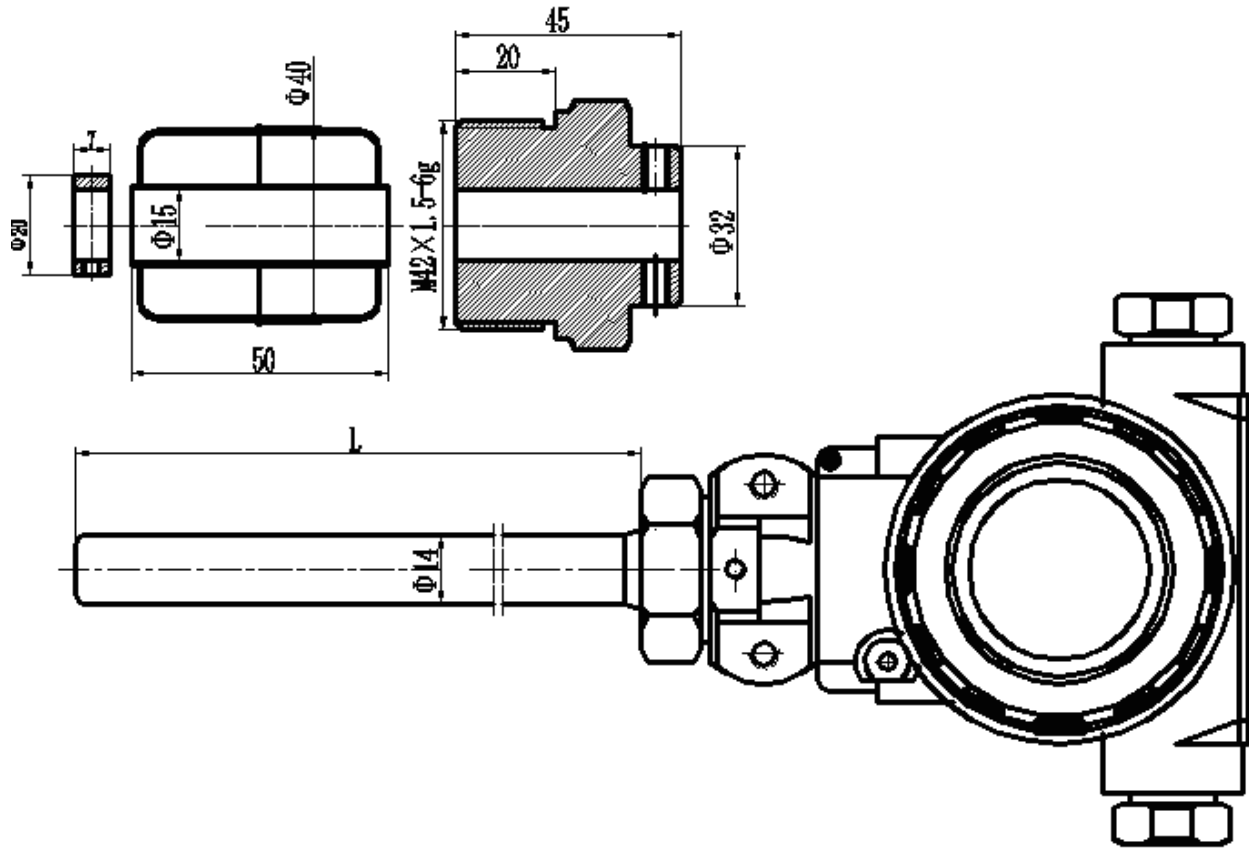
The LSG series level transmitters are designed with high-reliability pressure-sensitive cores, including silicone piezoresistive sensors, ceramic capacitors, or sapphire sensors, carefully selected to meet the specific requirements of various industry applications. These transmitters feature automatic temperature compensation, programmable digital circuit correction, and advanced signal conditioning to provide precise and stable industrial application outputs, including networking signals.

The manufacturing process follows the rigorous standards and meticulous quality control practices of military-grade enterprises. Each product undergoes detailed design, stringent component screening, and process curing to ensure optimal performance. Additionally, the transmitters are subjected to extensive testing, including pressure cycling, distress testing, aging, and environmental simulation, to guarantee long-term stability, reliability, and durability in challenging conditions.

SPECIFICATIONS

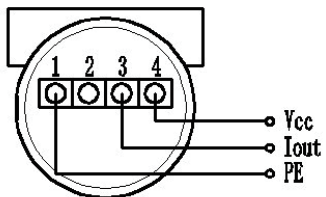
Pressure type	Gauge pressure
Range	0~0.5m...3m
Working pressure	<1.6MPa
Power supply	12VDC ~ 30VDC (Standard 24VDC)
Output signal	4mA ~ 20mA, RS485, 0V~10V (Others on request)
Process connection	Thread M42X1.5, Flange
Electrical connection	M20x1.5
Response time	≤ 3ms(10%~90%)
Media temperature	-40°C ~125°C
Accuracy	±10mm
Measuring medium	Fluid compatible with 304, 316L
Protection	IP68

DIMENSION

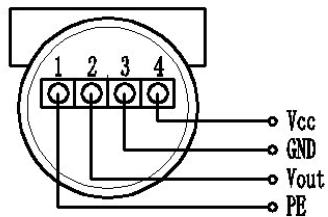


WRING

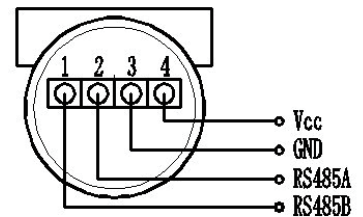
Current output



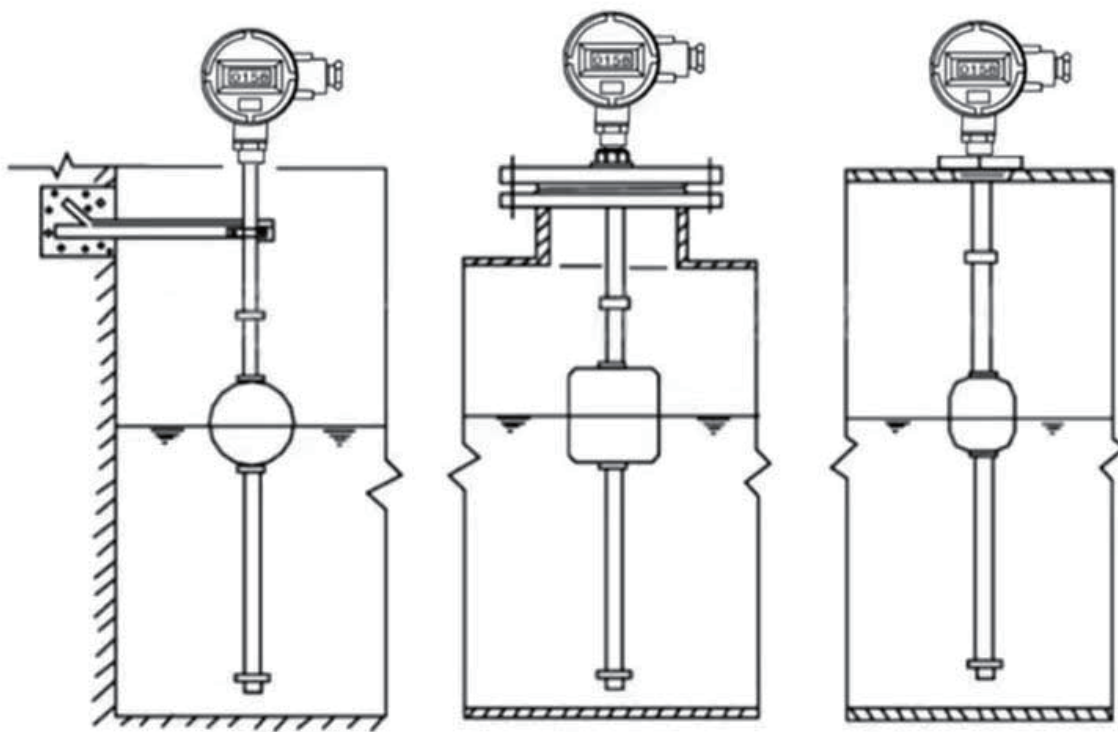
Voltage output



RS485 output



INSTALLATION



ORDER FORMAT

LSG500 - 1MM42MAD1

Range	Code
400mm	0.4M
600mm	0.6M
800mm	0.8M
1000mm	1M
...	...

Pipe type & Length	Code
Thread M42X1.5	M42
Flange DN80	DN80
Others on request	

Code	Electrical connection
J1	Housing without display
D1	Housing with display

Output signal	Code
4~20mA	MA
4~20mA+HART	CH
RS485	R4

Example:

LSG500-1MM42MAD1, LSG500 series, range 1 meter, thread M42X1.5, 4~20mA output signal, housing with display.