

LSG400 SERIES

METAL ARMORED LEVEL TRANSMITTER

FEATURES

- ◎ Diffuse piezoresistive silicon sensor
- ◎ Customized flange
- ◎ Full welded structure
- ◎ Multiple protection structure design
- ◎ Optional LCD display
- ◎ Corrosion resistant stainless steel material



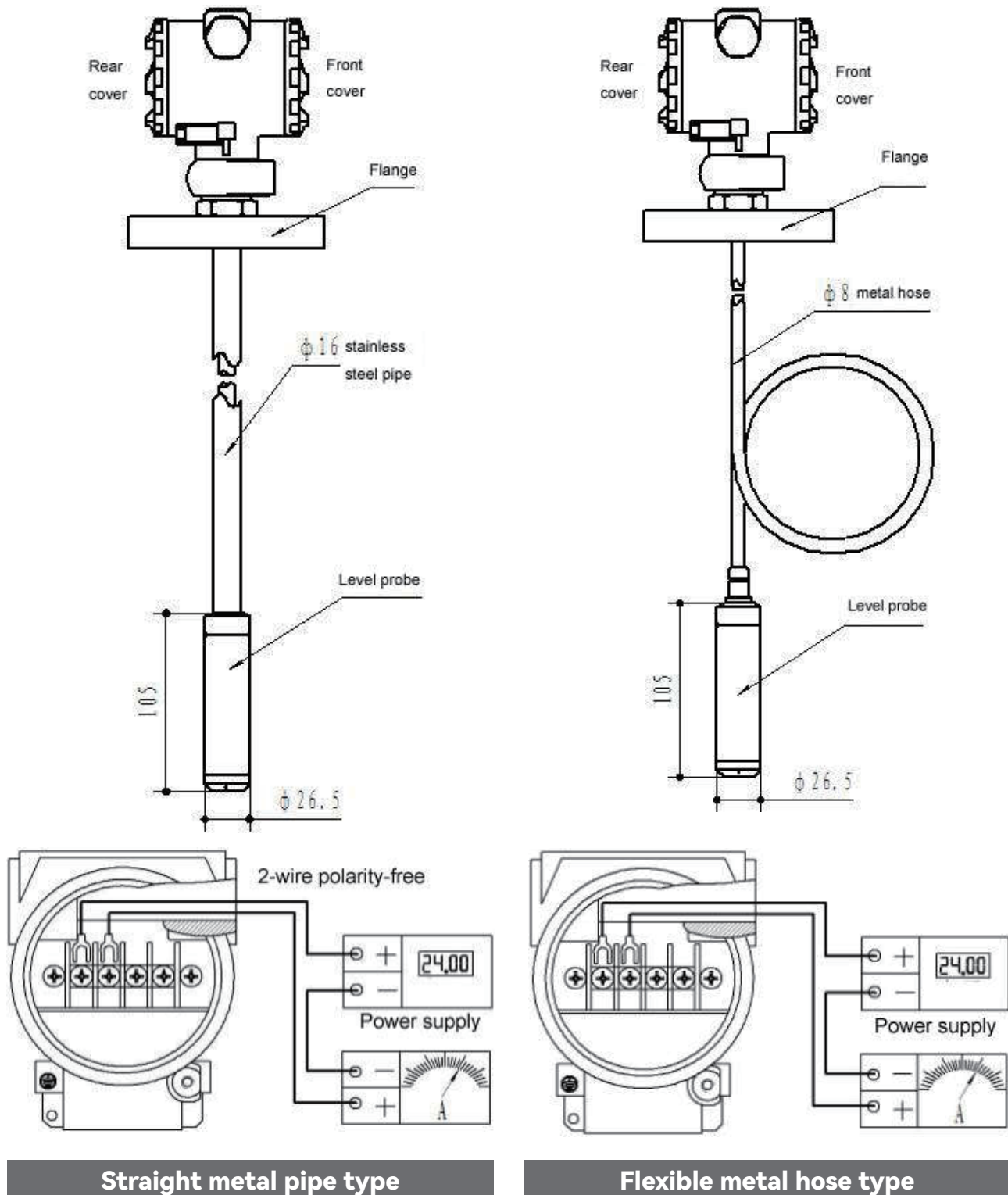
INTRODUCTION

The LSG400 Series Metal Armored Level Transmitter utilizes a high-performance diffuse piezoresistive silicon pressure sensor as the sensing element, accurately measuring the static pressure of the liquid, which is directly proportional to the liquid level. The transmitter features a customizable flange, and the cable is housed in a durable armored stainless steel pipe for added reliability. This product is ideal for liquid level measurement and control in industries such as petroleum, chemicals, power plants, urban water supply, and hydro-geological detection.

SPECIFICATIONS

Pressure type	Gauge pressure, Absolute pressure
Range	0~0.5m...10m
Power supply	12VDC ~ 30VDC (Standard 24VDC)
Output signal	4mA ~ 20mA(+HART protocol), RS485, 0V~10V (Others on request)
Overload pressure	≤ 200%
Response time	≤ 3ms(10%~90%)
Media temperature	-30°C ~150°C
Accuracy	0.1%FS, 0.25%FS, 0.5%FS
Material	Low copper aluminum alloy for the junction box, all stainless steel for the level probe
Measuring medium	Fluid compatible with 304, 316L
Protection	IP68

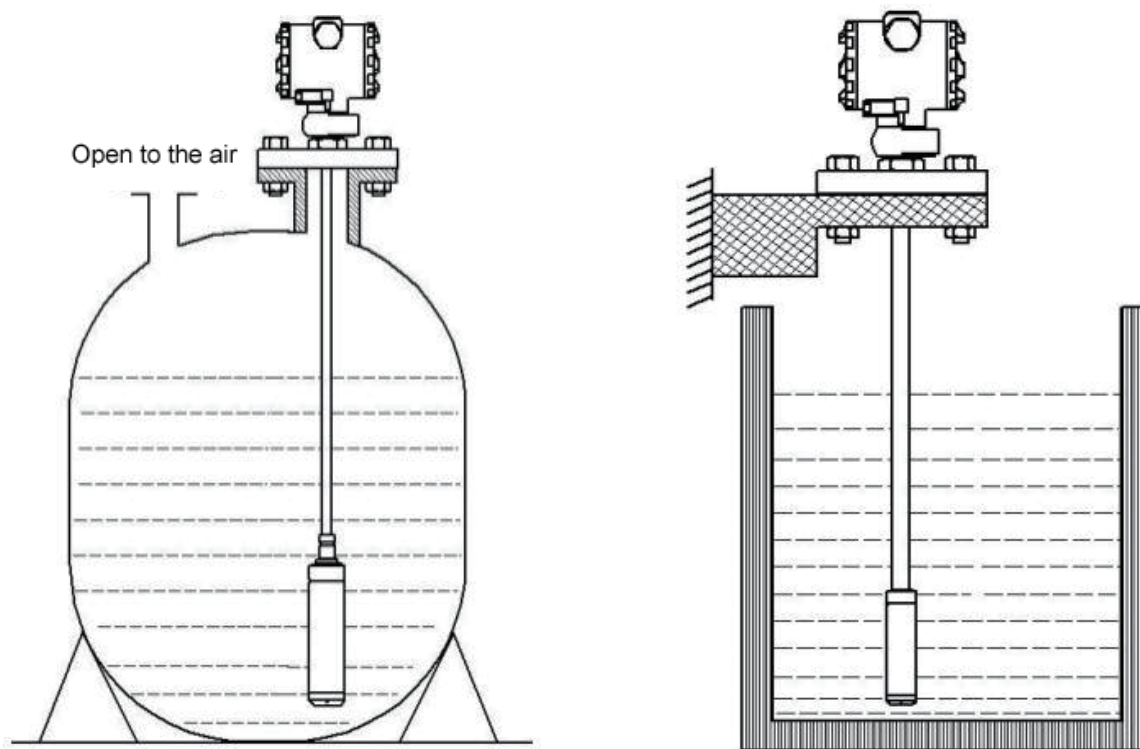
DIMENSION AND WRING



Straight metal pipe type

Flexible metal hose type

INSTALLATION



Installation Recommendation: If the measured medium level exceeds 1.5 meters, it is recommended to use a $\phi 8$ flexible stainless steel hose instead of a $\phi 16$ straight stainless steel pipe.

ORDER FORMAT

LSG400 - 1MS1MAD1XX

Range	Code
1 meter	1M
2 meters	2M
3 meters	3M
...	...
10 meters	10M

Pipe type & Length	Code
Straight pipe 1 meter	S1
Flexible metal hose 1 meter	F1
Flexible metal hose 2 meters	F2
...	...

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

Code	Medium & Density
Null	H2O
Diesel/0.85	Diesel density 0.85
	Others

Code	Electrical connection
J1	Housing without display
D1	Housing with display

Example:

LSG400-1ML1MAD1PE, LSG400 series, range 1 meter, straight metal pipe type 1 meter, 4~20mA output signal, 2088 housing with display, medium H2O.