

SLS3400 Series pressure guiding level transmitter
MAIN FEATURES

- All welded structure
- Non-contact measurement
- High stability, long life
- High temperature resistant medium

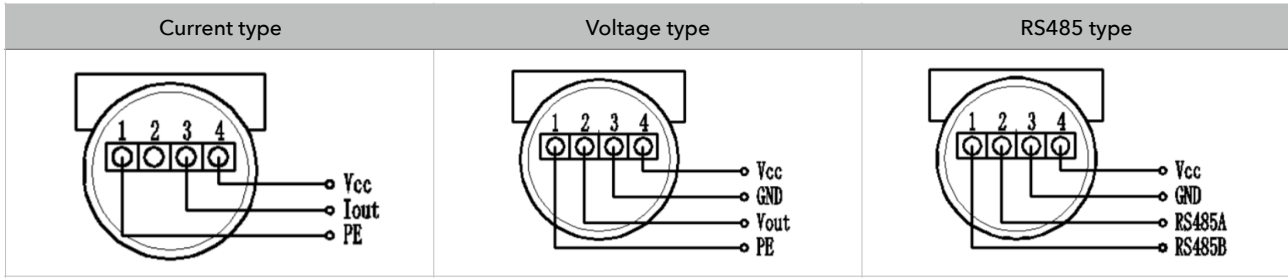

SPECIFICATION

ITEMS	PARAMETER
Range	0m~0.5m...50m
Overload capability	300%
Pressure Type	G (gauge pressure), A (absolute pressure)
Accuracy	0.3% (typical), 0.5% (maximum)
Long-term stability	≤0.2%FS/year (typical), ≤0.5%FS/year (maximum)
Zero and Sensitivity Temperature Drift	≤0.03%FS/°C, ≤0.05%FS/°C
Nonlinear Hysteresis Repeatability	≤0.3%FS/°C, ≤0.5%FS/°C
Environment temperature	-20°C~85°C
Compensation temperature	0°C~70°C
Medium temperature	-30°C~250°C
Power supply	12~30VDC
Output Signal	4~20mA, 1~5V, 0~5V, 0~10V,
Load Resistance	Current type: ≤ (U-12.5) / 0.02 (Ω)
Response time	≤1ms
Diaphragm material	316L
Shell Material	1Cr18Ni9Ti
Explosion-proof grade	Ex d IIC T6 Gb
Protection level	IP67

TYPICAL TYPE

MODEL	FEATURE	OUTLINE CONSTRUCTION
SLS3411	1. Explosion-proof junction box; 2. The probe is fully welded; 3. Optional 4 is LED/LCD display; 4. Optional mounting flange.	

ELECTRIC CONNECTION



ORDER CODE

Code:	A	-	B	-	C	-	D	-	E	-	F
Model:	SLS3411	-	5m	-	S	-	S4	-	L5	-	MA

Model	Code A
Standard structure type	3411
Level Range(X=specific range)	Code B
0m~0.5m...10m	X m
Accuracy	Code C
0.1% (custom)	C
0.25%(typical)	T
0.5%(standard)	S
Probe material	Code D
304	S4
316L	S6
Other customized	C

Sensor probe length	Code E
1m	L1
5m	L5
....	...
10m	L10
Output signal	Code F
4mA~20mA (superimposable HART protocol)	MA
0V~10V (output range can be customized)	V1
RS485	RS
More customized	C

Remarks:

1. The transmitter relies on the principle that the compressed air of the air cylinder is transmitted to the pressure sensitive diaphragm to measure the pressure and liquid level. The change of the medium temperature will affect the air compression ratio, which will affect the measurement accuracy. Therefore, the temperature of the medium needs to be kept basically constant. After the temperature changes, the transmitter needs to be taken out of the liquid, the liquid in the gas cylinder is cleaned, the liquid is reinserted, and the measurement will be more accurate.
2. The gas cylinder and pressure guiding tube material is usually 304, optional 316L.
3. The pressure guiding part is all stainless steel material, high temperature resistant, suitable for compatible high temperature medium level measurement.
4. Please indicate the appropriate measurement range and accuracy requirements when ordering. To ensure product stability and accuracy, it is recommended that the pressure transmitter range be selected based on 120% of the actual measured pressure range. The maximum pressure should be within the measurement range.
5. When selecting digital display products, the working temperature range of the transmitter is -30°C~70°C.
6. For medium containing silt sand, the transmitter head needs to take protective measures such as filtering measures to prevent the pressure measuring hole from being clogged or the particles from scratching the diaphragm.
7. When using in hazardous environment such as inflammable and explosive, please install safety barrier according to the regulations. The cable connection should be sealed and reliable. Tighten the junction box cover before powering up to ensure that the transmitter cavity is isolated from the environment. When cleaning, repairing or modifying parameters, the power must be completely removed, the transmitter removed, and moved to a safe environment for processing. On-site live operation is strictly prohibited.