



PRODUCT OVERVIEW

LEVEL MEASUREMENT

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L702 Series Thread and Flange Mounting Submersible Pressure Transducer & Transmitters



Characteristics

- ☆ Accuracy: $\leq \pm 0.5\%F.S$
- ☆ Wide working temperature scope
- ☆ Advanced digital temperature compensation.
- ☆ Excellent resistance against impact, overload, Shock and erosion.
- ☆ Highly-efficient lightning absorption and strong RFI & EMI resistance
- ☆ Impact resistance and disturbance
- ☆ 1.5 times range standard overload
- ☆ 3 times range burst pressure
- ☆ CE approving

Applications

- ★ Industrial course testing and control
- ★ Automatic testing system
- ★ well level measurement and control
- ★ Sea water level measurement and control
- ★ Sewage project and level application.
- ★ Submersible pumps system control
- ★ Oil and fuel tank level measuring
- ★ Automatic detection system
- ★ Building monitoring and control for water level.
- ★ Various liquid tanks pressure or level measurement.

Profiles

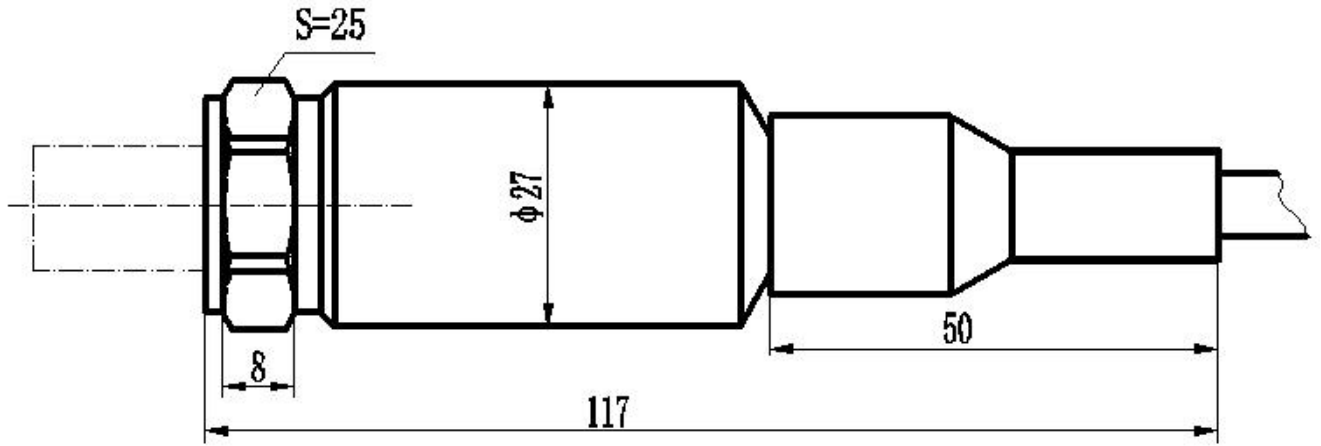
L702 is a submersible level sensor. It is made by building in high stable and reliable OEM piezo-resistive pressure sensor and highly accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be immersed into the media for a long time.

L702 level sensor has a compact size, light weight and good stability; it can be used for water or liquid measure and control of medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, etc.

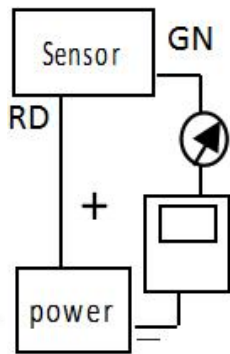
Specifications

Model	L702					
Parameter						
Technology parameter	Cable materials are optional according request, we offer 3 type special cable as follow: PE Cable(Water Proof); PUR Cable(Oil Proof); PTFE Cable(Anti-Corrosive).					
Pressure Range	0-0.1 Bar.....50 Bar / 0-1m.....500m H2O optional					
Safe Overload	150% F.S.(standard); 300%F.S					
Burst Pressure	300% F.S. (standard); 500%F.S					
Accuracy (Linearity; hysteresis; Repeatability)	≤±0.5%F.S (Standard) ≤±0.25%F.S including non-lin., rep. and hys. optional					
Long-term Stability	Standard: 0.1%F.S ± 0.05%					
Working Temp.	-30°C to +80°C or -30°C to +100°C(Customized) Sensor And Cable submersible max temp is 100°C for high temp type.					
Storage Temp.	-40°C to +100°C					
Temp. Compensation	-10°C to +60°C					
Medium compatible	Compatible with 316 Stainless Steel					
Electrical Wire	2 Wires		3 Wires		4 Wires	
Output	4-20 mA	0-5V or 1-5V	0-10 V	0.5-4.5 V	RS485	RS232
Power Supply	12-36 V (standard) Battery 6-12V DC	8-36 V DC	15-36 V DC	5 V DC	10-30V DC (standard) 3.6-9 V DC (customized)	
Insulate resistance	> 100M Ω @50V					
Zero Temp. Drift	0.003%FS/°C(≤100kPa); 0.002%FS/°C(>100kPa)					
FS Temp. Drift	0.003%FS/°C(≤100kPa); 0.002%FS/°C(>100kPa)					
Process Connection	G1/2" male, M20*1.5 male, 1/4"NPT male; M10*1 male Flange mounting, 2", 3", 4" Flange or by customized					
Electrical connection	Fixed cable and water proof IP68					
Response time	≤10ms					
Pressure Type	Gauge pressure, sealed gauge pressure and Absolute pressure optional.					
Certificate approval	CE Certificate.					
EMC Standard	electromagnetic radiation:EN50081-1/-2 electromagnetic susceptibility:EN50082-2					

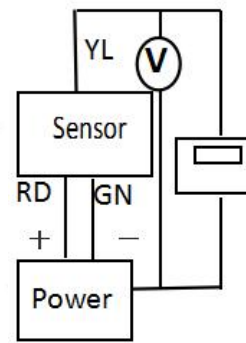
Dimension and Drawing



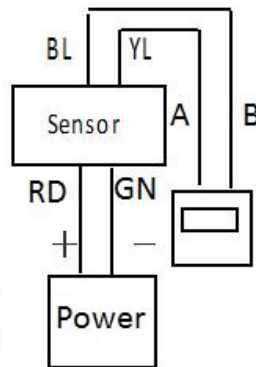
Electrical Connections



Current output, 2-wire



Voltage output, 3-wire



RS485 output

Part Number Code Table For Pressure Range

000	0-1.0	009	0-1.9	018	0-8	027	0-50
001	0-1.1	010	0-2.0	019	0-10	028	0-60
002	0-1.2	011	0-2.1	020	0-12	029	0-80
003	0-1.3	012	0-2.5	021	0-15	030	0-100
004	0-1.4	013	0-3	022	0-20	031	0-250
005	0-1.5	014	0-4	023	0-25	032	0-300
006	0-1.6	015	0-5	024	0-30	033	0-400
007	0-1.7	016	0-6	025	0-35	034	0-500
008	0-1.8	017	0-7	026	0-40	X	Customized

Order Information

P/N	L702	010	E5	S37	H	1	1	G	M1
Selection	(Model)								
Range	Refer to <i>PART NUMBER CODE TABLE FOR RESSURE RANGE</i> on previous page and select your requested range code here.								
Output	E5=4-20mA(2 wires) E6=0-5V(3 wires) E7=0-10V(3 wires) E8=0.5-4.5V(3 wires) E0=1-5V(3 wires) E11=RS485(MODBUS) E12=RS232(MODBUS) X= By Customized								
Power Supply	S6=5 V DC S37=12-36 V DC S44=15-36 V DC S17=10-30 V DC S51=8-36 V DC X= By customized								
Pressure & Level Units	B=Bar	P=PSI	H=H ₂ O	F=m Fuel	K=Kpa				
Accuracy	1=0.5%F.S 2=0.25%F.S (by customized)								
Cable Length	1=Cable 1m	2=Cable 2m	3=Cable 3m	X=Cable x m					
Pressure Type	G=Gauge Pressure		A=Absolute Pressure		S=Sealed Pressure				

Others Function (Optional)

M1= G 1/4" male thread mounting type
M2= G 1/2" male thread mounting type
M3=M20×1.5 male thread mounting type
M4= 1/4"NPT male thread mounting type
TA= Titanium alloy materials (high cost!)
P= All Plastic Housing Structure