



PRODUCT OVERVIEW

LEVEL MEASUREMENT

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L706 Flood and Rivers Pressure Level Transducers & Transmitters



Characteristics

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

Applications

- ★ Flood or Rivers level measuring and survey
- ★ Lake water level survey
- ★ well level measurement and control
- ★ Sea water level measurement and control
- ★ Industrial course testing and control
- ★ Laboratory equipment
- ★ Automatic detection system
- ★ Saving water to irrigate
- ★ Sewage pump station level measurement

Profiles

L706 is a fully sealed submersible level transducer/transmitter with ceramic filter. It is manufactured by highly stable and reliable OEM piezo-resistive silicon pressure sensor and high accurate circuit board enclosed 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.

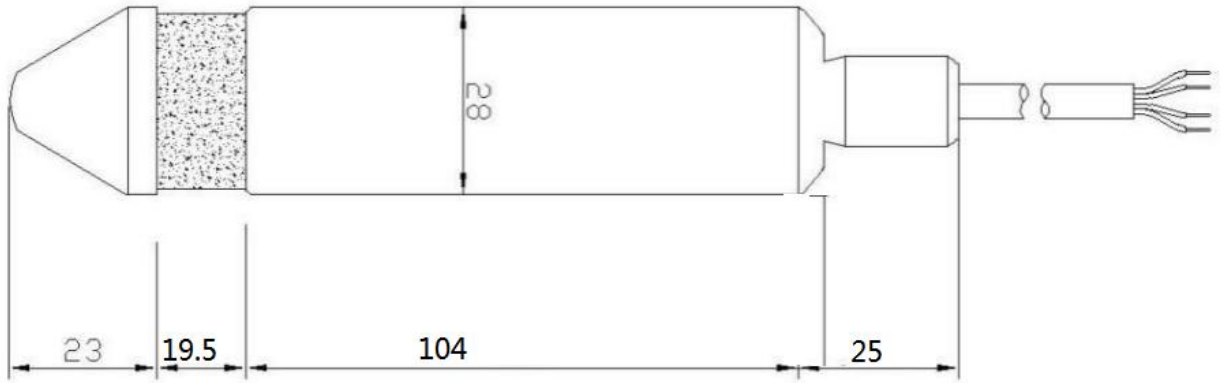
L706 level transducer/transmitter has a compact size, good stability it can be used for rivers, flood, sewage, water, liquid measure and control of sewage pump station, water well, liquid tank, medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, especially used in the field of sewage level and pressure measurement project.

Specifications

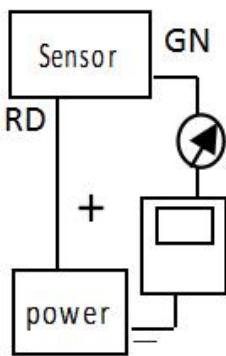
Model Parameter	L706			
Pressure Range	0-0.1 Bar.....50 Bar / 0-1m.....500m H2O Optional			
Overload	150% F.S			
Burst Pressure	300% F.S			
Accuracy (Linearity, Hysteresis Repeatability)	$\leq \pm 0.5\%F.S$ $\leq \pm 0.25\%F.S$ $\leq \pm 0.1\%F.S$ (by customized) including non-lin., rep. and hys. Optional			
Long-term Stability	Standard: 0.1%F.S \pm 0.05%			
Working Temp.	-20°C to +80°C			
Storage Temp.	-40°C to +120°C			
Temperature Compensation	-10°C to +70°C			
Medium compatible	Compatible with 316L Stainless Steel			
Electrical Wire	2 Wire	3 Wire		
Output	4-20 mA	0-5V / 1-5V	0-10 V	0.5-4.5 V
Power Supply	12-36 V DC	8-32 V DC	12-36 V DC	5 V DC
Insulate resistance	>100M Ω @50V			
Loading resistance	(U-10)/0.02 Ω	>100K Ω		
Zero Temp. Drift	0.03%FS/°C(\leq 100kPa), 0.02%FS/°C(>100kPa)			
FS Temp. Drift	0.03%FS/°C(\leq 100kPa), 0.02%FS/°C(>100kPa)			
Electrical connection	Fixed cable and water proof IP68			
Process Connection	None or by customized			
Response time	\leq 10ms			
Pressure Type	Gauge pressure, sealed gauge pressure, absolute pressure optional.			
Certificate approval	CE Certificate.			
EMC Standard	Electromagnetic radiation:EN50081-1/-2 Electromagnetic susceptibility:EN50082-2			
Water Proof	IP68			

Dimension and Drawing

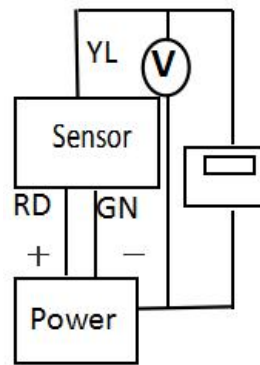
Unit, mm



Electrical Connections



Current output, 2-wire



Voltage output, 3-wire

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	L706	010	E5	S37	H	1	1	G	A
Selection	(Model)								
Range	Refer to <i>PART NUMBER CODE TABLE FOR PRESSURE 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) X= By Customized								
Power Supply	S6=5 V DC S37=12-36 V DC S17=10-30V DC S26=8-32 V DC X=By customized								
Pressure & Level Units	B=Bar P=PSI H=H ₂ O F=m Fuel								
Accuracy	1=0.5%F.S 2=0.25%F.S 3=0.1%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								

Process Connection A=None(With ceramic filter)
 X=By customized