



Sensor Co.,LTD

PRODUCT OVERVIEW

LEVEL MEASUREMENT

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L706 Flood and Rivers Pressure Level Transducers & Transmitters



L706

Characters:

- ☆ Accuracy: $\leq \pm 0.5\% \text{F.S.}$
- ☆ 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
- ★ And so on

I. Profiles:

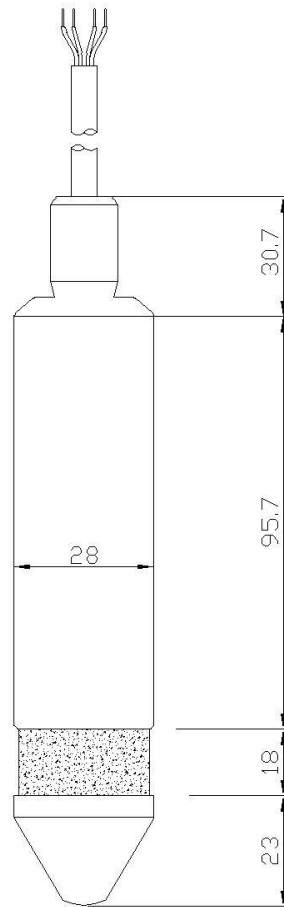
L706 is a fully sealed submersible level transducer/transmitter with ceramic filter. It is manufactured by high stable and reliable OEM piezo-resistive silicon pressure sensor and high accurate circuit board enclosed into the stainless steel housing. Integrated construction and standard signal provide 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 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.

II. Specifications:

Model:	L706			
Parameter:				
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)	$\leq \pm 0.5\%F.S$ $\leq \pm 0.25\%F.S$ $\leq \pm 0.1\%F.S$ Including non-lin., rep. and hys. Optional			
Long Stability:	Standard: 0.1%F.S \pm 0.05%			
Working Temp:	-20°C~80°C			
Storage Temp:	-40°C~120°C			
Temperature Compensation:	-10°C~70°C			
Medium compatible:	Compatible with 316L Stainless Steel			
Electronic Wire:	2 Wires	3 Wires		
Output:	4~20 mA	0~5V / 1~5V	0~10 V	0.5~4.5 V
Power Supply:	12~36 V DC	6~36 V DC	12~36Vdc	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)			
Electronic connection:	Fixed cable and water proof IP68			
Process Connect:	None or by customized			
Body Diameter:	28 mm			
Response time:	\leq 10ms			
Pressure Type:	Gauge pressure, sealed gauge pressure, absolute pressure optional.			
Certificate approving:	Exia IICT6 and CE Certificate.			
EMC Standard:	electromagnetic radiation:EN50081-1/-2 electromagnetic susceptibility:EN50082-2			
Water Proof:	IP68			
Weight:	Net weight is about 0.5KG, Full Packing weight is about 0.8KG (Not Include Cable)			
Remarks:	Special applications request by customized			

III. Dimension and Drawing:



L706

IV. Electronic Connections:

Electronic Wire Connections					
	Power Supply +	Power Supply -	Signal Output +	Signal Output -	Ground Wire
2 wire 4-20 mA	Red wire	NA	Yellow wire	NA	black wire
3 Wire 0-5V; 0-10V; 0.5-4.5V	Red wire	Green wire	Yellow wire	NA	black wire

V. Part NumberCode Table For Level Range:

000	-1-0	016	0-1.5	031	0-10	047	0-125
001	-1-1	017	0-1.6	032	0-12	048	0-150
002	-1-9	018	0-1.7	033	0-15	049	0-200
003	-1-10	019	0-1.8	034	0-16	050	0-250
004	-1-16	020	0-1.9	035	0-20	051	0-300
005	-1-20	021	0-2.0	036	0-25	052	0-350
006	-1-25	016	0-2.1	037	0-30	053	0-400
007	-1-30	022	0-2.2	038	0-35	054	0-450
008	-1-35	023	0-2.3	039	0-40	055	0-500
009	-1-40	024	0-2.5	040	0-50	056	0-600
010	-1-65	025	0-3	041	0-60	057	0-700
011	0-0.5	026	0-4	042	0-65	058	0-800
012	0-1.0	027	0-5	043	0-70	059	0-1000
013	0-1.1	028	0-6	044	0-80	060	0-10000
014	0-1.2	029	0-7	045	0-90	061	0-15000
015	0-1.3	030	0-8	046	0-100	X	Customized

VI. Order Information

P/N Selection	L706 (Model)	3	A	027	H	0	5	G
Output	3= 4-20mA 4= 0-5V 5= 0-10V X=By Customized							
Process Connection	A=None (with ceramic filter)							
Level Measurement	See last pages Level Range Code Table and select your requested range code adhere here.							
Pressure Unit	H=m H2O B=Bar P=Psi F=m Fuel							
Accuracy	0=0.5%F.S. 1=0.25%F.S. 2=0.15%F.S.							
Cable length	1= Cable 1M 2= Cable 2M 3= Cable 3M 4= Cable 4M 5= Cable 5M 6= Cable 6M xxx=Cable xxxM							
Pressure type	G=Gage S=Sealed A=Absolute							