

PRODUCT OVERVIEW

LEVEL MEASUREMENT

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Submersible Pressure Transducer & Transmitters



L702



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
- ☆ 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.
- ★ And so on

I . Profiles:

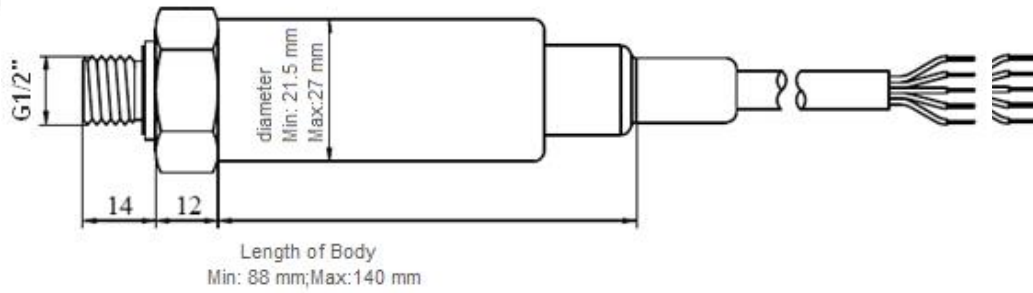
L702 is full sealed submersible level transducer/transmitter. It is made by building in high stable and reliable OEM piezo-resistive pressure sensor and high accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application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

L702 level transducer/transmitter has 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.

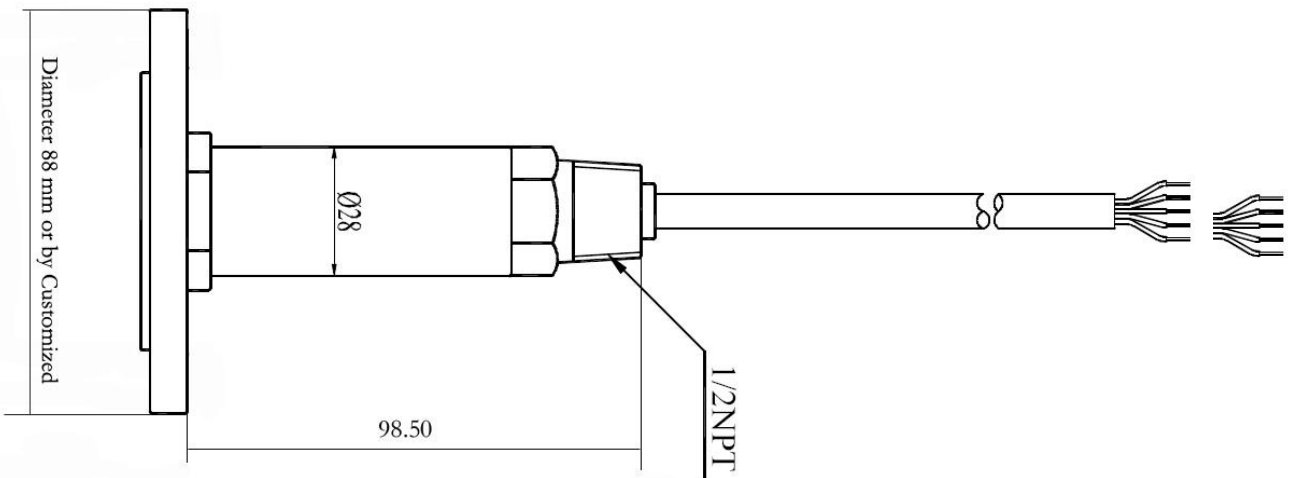
II . Specifications:

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.(marine application)					
Burst Pressure:	300% F.S. (standard); 500%F.S. (marine application)					
Accuracy: (Linearity; Hysteresis; Repeatability)	$\leq \pm 0.5\%F.S$ (Standard) $\leq \pm 0.25\%F.S$ Including non-lin., rep. and hys. Optional					
Long Stability:	Standard: $0.1\%F.S \pm 0.05\%$					
Working Temp:	$-30^{\circ}C \sim 80^{\circ}C$ OR $-30^{\circ}C \sim 100^{\circ}C$ (Customized) Sensor And Cable submersible max temp is $100^{\circ}C$ for high temp type.					
Storage Temp:	$-40^{\circ}C \sim 100^{\circ}C$					
Temperature Compensation:	$-10^{\circ}C \sim 60^{\circ}C$					
Medium compatible:	Compatible with 316 Stainless Steel					
Electronic 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 6~12Vdc	8~36 Vdc	15~36Vdc	5 V DC	10~30Vdc (standard) 3.6~9Vdc (customized)	
Insulate resistance:	$> 100M \Omega @ 50V$					
Zero Temp. Drift:	$0.003\%FS/^{\circ}C$ ($\leq 100kPa$); $0.002\%FS/^{\circ}C$ ($> 100kPa$)					
FS Temp. Drift:	$0.003\%FS/^{\circ}C$ ($\leq 100kPa$); $0.002\%FS/^{\circ}C$ ($> 100kPa$)					
Process Connect:	$G1/2''$ male, M20*1.5 male, $1/4''$ NPT male; M10*1 male Flange mounting, 2'', 3'', 4'' Flange or by customized					
Electronic connection:	Fixed cable and water proof IP68;					
Response time:	$\leq 10ms$					
Pressure Type:	Gauge pressure, sealed gauge pressure and Absolute pressure optional.					
Certificate approving:	Exd II CT6 and CE Certificate.					
EMC Standard:	electromagnetic radiation: EN50081-1/-2 electromagnetic susceptibility: EN50082-2					
Weight:	Net weight is about 0.3~1.5KG, Full Packing weight is about 1~2 KG (Not Include Cable)					
Remarks:	Special applications request by Customized					

III. Dimension and Drawing:



L702



L702 Flange Mounting

IV. Electronic Connections:

Electronic Wire Connections					
	Power Supply +	Power Supply -	Signal Output +	Signal Output -	Ground Wire
2 wire 4-20 mA	Red wire	NA	Green wire	NA	Black wire
3 Wire 0-5V; 0-10V; 0.5-4.5V	Red wire	Green wire	Yellow wire	Green wire	Black wire
4 wires RS485 MODBUS	Red wire	Green wire	Yellow wire	Blue wire	Black wire

V . Part Number Code Table For Pressure 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	L702 (Model)	3	M1	027	B	0	3	G
Output	3= 4-20mA 4= 0.5-4.5V Ratiometric 5= 0-5V 6= 1-5V 7= 0-10V 8= 0.5-4.5V							
Process connection	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							
Pressure Measurement	See last pages Pressure Range Code Table and select your requested range code adhere here.							
Pressure Unit	H=m H2O B=Bar P=Psi F=m Fuel K=kPa							
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							

Example: L702-3 M1-027B-03G