



WATER TREATMENT

☒ ONE-STOP SOLUTION

☒ ONE-STOP SERVICE

LEVEL MEASUREMENT

L707 Submersible Pressure Level Transducer & Transmitter



CHARACTERISTICS

- ☆ Accuracy: $\leq \pm 0.15\% \text{F.S.}$
- ☆ Wide working temperature scope
- ☆ Advanced digital temperature compensation.
- ☆ Excellent resistance against impact, overload, Shock and erosion.
- ☆ Highly-efficient lightning protection and strong RFI & EMI resistance
- ☆ High quality Sputter thin film sensors
- ☆ 1.5 times range standard overload.
- ☆ 3 times range burst pressure
- ☆ Diameter 19 mm

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.
- ★ Laboratory equipment
- ★ 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

PROFILE

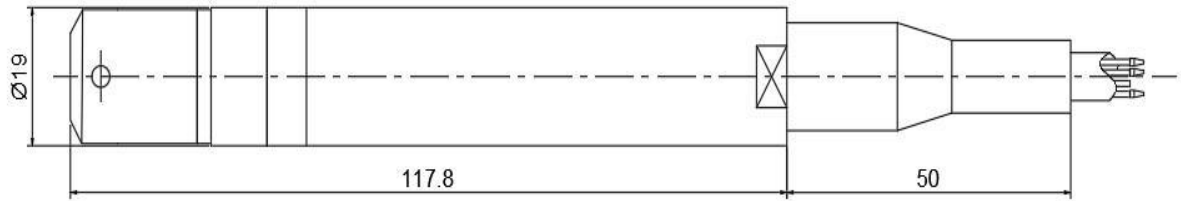
L707 is full sealed submersible level transducer/transmitter. It is made by building in high stable and reliable Sputter thin film sensors and high accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be immersed into the media for a long time.

L707 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.

SPECIFICATIONS

Model: Parameter:	L707
Pressure Range:	0-0.2 Bar.....50 Bar / 0-2M.....500M H2O
Overload:	150% F.S.
Burst Pressure	300% F.S.
Accuracy:	$\leq \pm 0.15\%F.S$ (Typical); $\leq \pm 0.1\%F.S$ (by customized)
Long Stability:	0.1%F.S/year
Working Temp:	-30℃~70℃
Storage Temp:	-40℃~85℃
Temperature Compensation	0℃~50℃
Medium compatible:	Compatible with 316L Stainless Steel
Output:	4~20mA, 0.5~4.5 V(non-radiometric by default, radiometric optional), RS485 MODBUS
Power Supply:	8~30Vdc, 5Vdc $\pm 5\%$, 8~30Vdc
Life time:	$\geq 1 \times 10^8$ pressure cycles 10%-80%
Zero Temp. Drift:	0.02%FS/℃ ($\leq 100kPa$) ; 0.01%FS/℃ ($> 100kPa$)
FS Temp. Drift:	0.02%FS/℃ ($\leq 100kPa$) ; 0.01%FS/℃ ($> 100kPa$)
Electronic connection:	Fixed cable and water proof IP68(5 layer grade seal, water proof cover+2 grade Rectangular ring + O-ring seal+ sealant+ Encapsulating compound)
Pressure mounting port:	With stainless steel filter (Standard type)
Response time:	$\leq 10ms$
Pressure Type:	Gauge pressure and absolute optional.
Certificate approving:	ExdIICT6 and CE Certificate.
EMC Standard:	EN 61326-1:2013; EN 61326-2-3:2013 EN 61000-6-2:2005; EN 61000-6-4:2007+A1

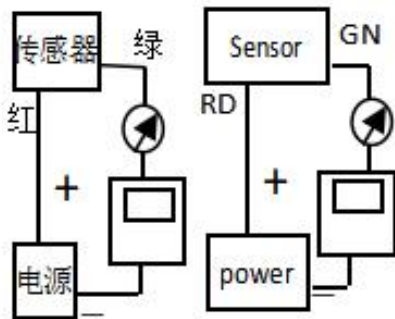
DIMENSION AND DRAWING



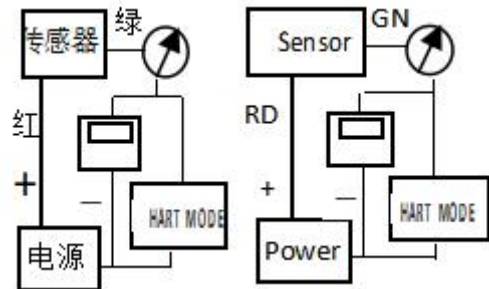
Unit, mm

ELECTRONIC CONNECTIONS

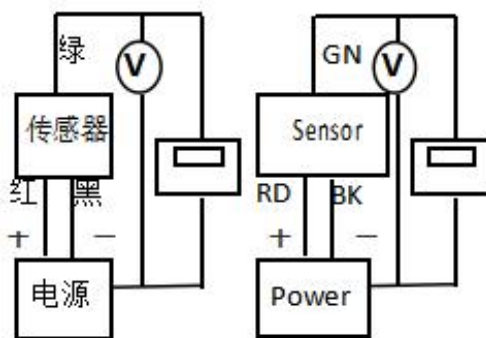
Electronic Wire Connections



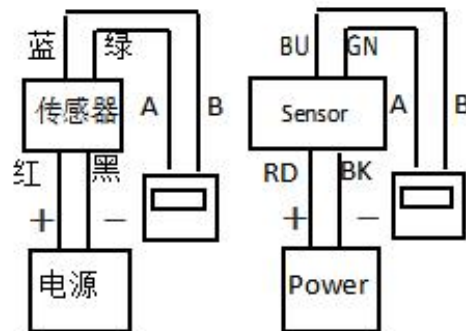
两线制电流输出
Current output, 2-wire



HART MODE 协议输出
Hart protocol output



三线制电压输出
Voltage output, 3-wire



RS485 输出
RS485 output

PART NUMBER CODE TABLE FOR LEVEL RANGE

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

ORDER INFORMATION

P/N Selection	L707 (Model)	3	041	H	3	12	1	G
Signal Output	3=4-20mA (2 wire) 5=0-5V (3 wire) 11=RS485 MODBUS RTU (4 wire) X=By customized							
Range	Refer to <i>PART NUMBER CODE TABLE FOR PRESSURE RANGE</i> on previous page and select your requested range code here.							
Pressure Unit	H=m H ₂ O P=Psi	B=Bar F=m Fuel						
Accuracy	3=0.15% F.S 4=0.15%F.S							
Power Supply	6=5Vdc 12=8~30Vdc							
Cable Length	1=Cable 1m 3=Cable 3m	2=Cable 2m XXX=Cable xxx m						
Pressure Type	G=Gauge	A=Absolute						