

SLT20 Submersible Level Sensor

EMI Capability

Signal Stability

Overpressure Performance

Shock Resistance



Features

Protection against surge voltage,
overvoltage, overcurrent and
reverse polarity

12-28V power supply

Typical Applications

Reservoir

Hydrology

Marine

Locomotive oil level

Urban water supply and drainage

SLT20 Submersible Level Sensor

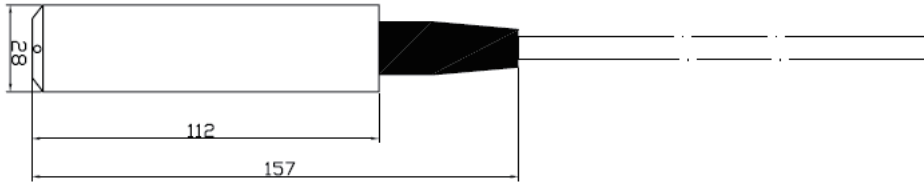
PERFORMANCE SPECIFICATIONS	
Range :	0-1m ~ 0-100m water
Overpressure :	200%
Transmission Distance:	≥1km (Power Supply 24V)
Accuracy Class:	0.5%FS Optional:0.25%FS
Long-Term Stability :	Typical :±0.1%FS/year
Temperature Effect on Zero :	Typical :±0.02%FS/year Max ±0.05%FS/°C
Temperature Effect on Sensitivity :	Typical :±0.02%FS/year Max ±0.05%FS/°C
Power Supply:	12-28V (Typical: 24V)
Output Signal:	4-20mA/0-10V/0-5V/RS485
Operating Temperature :	-10-60°C
Compensation Temperature :	0-70°C
Storage Temperature :	-40-100°C
Electrical Protection :	Anti-reverse connection protection, over voltage protection
IP Rating:	IP68
Measuring Media:	Water or liquid compatible with stainless steel
Pressure Connection :	Submersible Type
Electrical Connection :	Waterproof sealed cable
Optional Case :	2088 Industrial Case

SLT20 Submersible Level Sensor

Ordering Code		SLT20	3	42	6	0.1MPa	5m	P2	E	T1
Model		SLT20	SLT20							
Accuracy										
5	0.5% FS									
3	0.25% FS	3								
Output										
42	4-20mA	42								
R4	RS485									
10	0-10V									
05	0-5V									
Case Material										
4	304 SS									
6	316 SS	6								
Range										
0.1MPa		0.1MPa								
Please refer to Range Table on Page 4										
Cable Length										
Unit: m		5m								
Please refer to Cable Length Table on Page 4										
Operating Voltage										
P2	12-28VDC	P2								
Cable Material										
E	Polyurethane	E								
Operating Temperature										
T1	-10-60°C	T1								

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General Dimension (mm)



Standard Pressure Range

mH2O	Mpa	psi	inWC
0 - 1	0 - 0.025	0 - 5	0 - 100
0 - 2	0 - 0.04	0 - 10	0 - 150
0 - 3	0 - 0.06	0 - 15	0 - 250
0 - 4	0 - 0.1	0 - 25	
0 - 6	0 - 0.16	0 - 50	
0 - 10	0 - 0.25	0 - 100	
0 - 16	0 - 0.4	0 - 160	
0 - 25	0 - 0.6		
0 - 40	0 - 1		
0 - 60			
0 - 100			

Cable Length Table (m)

1	2	3	5	10	15
20	25	30	40	50	60
80	100				