

# Submersible Pressure Transmitter Model LT11

## Features

- Integrated and economical design
- Rugged stainless steel construction
- High accuracy, stability, and reliability
- Various measurement units
- Protection IP68

## Ranges

0 ... 1.0 mWC up to 0 ... 200 mWC  
0 ... 5.0 ftWC up to 0 ... 500 ftWC

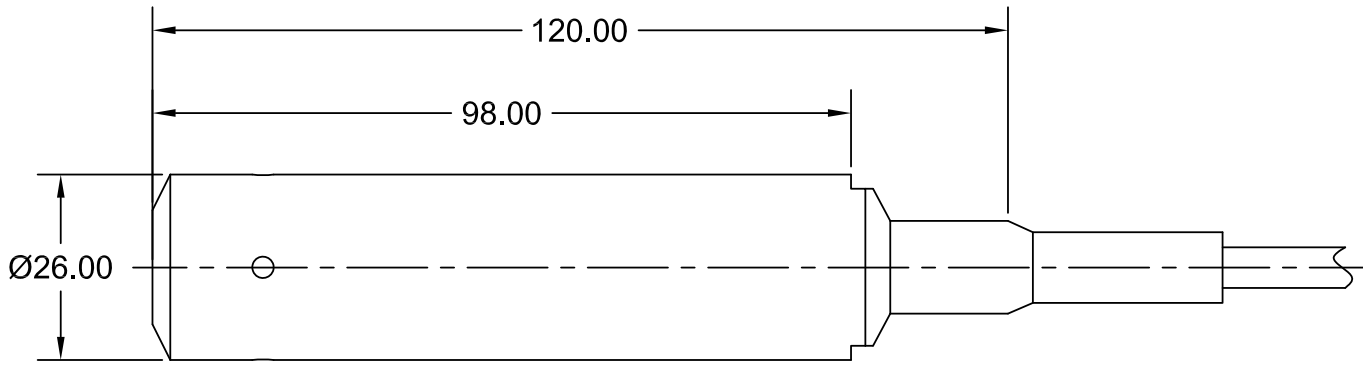
## Applications

Level measurement in groundwater and bore  
Level measurement in rivers and lakes  
Wastewater treatment and pumping stations  
Tank Level Measurement  
Vessel and storage systems



Technical specifications	LT11	
Measuring principle	Piezo resistive sensors	
Range in mWC	1 2 5 10 15 20 30 50 75 100 125 150 200	
Range in ftWC	5 10 15 20 30 50 100 150 200 300 400 500	
Overpressure limit	2 times of FS	
Process connection	Standard welded nose cone	
Material Wetted Part		
Process connection	Stainless Steel 316L	
Diaphragm	Stainless Steel 316L	
Housing	Stainless Steel 316L	
Seals	FKM	
Power supply	11 ... 28 VDC	
Output signal	4 ... 20 mA	0 ... 5 VDC   0 ... 10 VDC
Maximum Loop Resistance	$<(U - 11V)/0.02 \Omega$	
Electrical connection		
Cable	$\phi 7.5\text{mm}$ polyethylene cable	
Accuracy	$\leq 0,5 \% \text{ FS}$ (Including Linearity, Hysteresis, Zero offset & Span offset), at Room Temperature	
Long term stability		
Range > 20mWC	$\leq 0,2 \% \text{ FS / year}$	
Range $\leq 20\text{mWC}$	20mmWC	
Permissible		
Operation temperature	-10 ... 80 °C	
Storage temperature	-40 ... 100 °C	
Thermal drift		
Range > 10mWC	0,02 % FS/°C	Offset 0,05 % FS/°C
Range $\leq 20\text{mWC}$	0,05 % FS/°C	0,05 % FS/°C
Protection acc. EN 60 529/IEC 529	IP68	
Weight in kg	~ 0.28, cable weight extra	

General dimensions in mm



Electrical connection	
Red	+ Ve
Black	- Ve

Order information

Output signal	Accuracy	Range	Engineering unit	Protection	Process connection	Electrical connection	Options
(42) 4/20 mA	(050) $\leq 0,50\%$  (Including Linearity, Hysteresis, Zero offset & Span offset)	0/ 1	mWC	(O) IP68	(SNC) Standard welded nose cone	(XX.XM) Cable length in meter <sup>1)</sup>	(NH) Tagging Wired
(05) 0/5 VDC		0/ 2					
(10) 0/10 VDC		0/ 5					
		0/ 10					
		0/ 15					
		0/ 20					
		0/ 30					
		0/ 50					
		0/ 75					
		0/ 100					
0/ 125		ftWC					
0/ 150							
0/ 200							
0/ 5							
0/ 10							
0/ 15							
0/ 20							
0/ 30							
0/ 50							
0/ 100							
0/ 150							
0/ 200							
0/ 300							
0/ 400							
0/ 500							
others on request	others on request	Equivalent ranges bar, psi and others units available				1) specify length in meter EG. 1.0M = cable length 1.0 meter	

How to order

Type	Output signal	Accuracy	Range	Engineering unit	Protection	Process connection	Electrical connection	Option
LT11	42	050	0/5	mWC	O	SNC	1.0M	NH

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