



### Description & Features:

- Designed for continuous level measurement in clean water, reservoirs and treatment plants
- Rugged stainless steel housing and highly accurate ceramic sensor
- PUR vented cable in various lengths
- Available ranges from Low Pressure up to 300 psi
- $\pm 0.5\%$  accuracy standard,  $\pm 0.25\%$  optional
- IP68 rated for full submersion and continuous measurement
- CE mark and RoHS compliant
- 5 year warranty

### Applications:

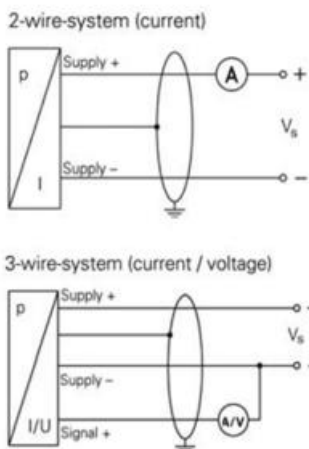
- Appropriate for all level and depth measurement applications including open tanks, ground water, reservoirs and water treatment facilities



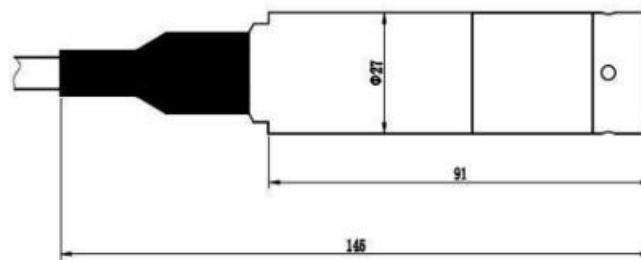
### Specifications

<b>Output Signal</b>	4...20 mA, 2-wire / $V_s = 10-30$ Vdc 5...4.5 Vdc, 3-wire / $V_s = 10-30$ Vdc 0...5 Vdc, 3-wire / $V_s = 10-30$ Vdc
<b>Accuracy</b>	$\pm 0.5\%$ Full Scale Output, $\pm 0.25\%$ FSO optional
<b>Load Resistance</b>	$RL = (U-10)/0.02(\Omega)$ (4~20mA current output), $>20K\Omega$ (voltage output)
<b>Long Term Stability</b>	0.1% Full Scale per year
<b>Response Time</b>	1 ms
<b>Storage Temperature</b>	-40 to 85 deg C (-40 to 185 deg F)
<b>Media Temperature</b>	0 to 85 deg C (32 to 185 deg F)
<b>Insulation Resistance</b>	100 M $\Omega$ @ 250 VDC
<b>Reverse Polarity Protection</b>	Yes
<b>Lightning Protection</b>	Yes
<b>Electromagnetic Protection</b>	IEC 61000
<b>Enclosure Protection</b>	IP68 for full submersion and continuous measurement
<b>Housing</b>	1Cr18Ni9Ti
<b>Wetted Parts</b>	Ceramic sensor with Viton O-ring
<b>Long Term Stability</b>	$\pm 0.1\%$ FSO (typically per year)
<b>Operation Life</b>	1 million cycles, minimum

### Wiring Diagram



### Dimensions (mm)



27mm = 1.1"

91mm = 3.6"

145mm = 5.7"

## Order Codes

Range (PSI)	Proof-Pressure	4/20mA, 0.5% Accuracy PUR vented cable	
		20ft	40ft
0-8 PSI (0-0.6 BAR)	12.0	LM71PR7L5GS1CVCL4	LM71PR7L5GS1CVCL6
0-15 PSI (0-1 BAR)	22.5	LM71PR4P5GS1CVCL4	LM71PR4P5GS1CVCL6
0-20 PSI (0-1.4 BAR)	30.0	LM71PR8L5GS1CVCL4	LM71PR8L5GS1CVCL6
0-35 PSI (0-2.4 BAR)	52.5	LM71PR9L5GS1CVCL4	LM71PR9L5GS1CVCL6
0-60 PSI (0-4 BAR)	90.0	LM71PR9P5GS1CVCL4	LM71PR9P5GS1CVCL6
0-100 PSI (0-7 BAR)	150.0	LM71PR2S5GS1CVCL4	LM71PR2S5GS1CVCL6
0-150 PSI (0-10 BAR)	225.0	LM71PR3S5GS1CVCL4	LM71PR3S5GS1CVCL6
0-200 PSI (0-15 BAR)	300.0	LM71PR4S5GS1CVCL4	LM71PR4S5GS1CVCL6
0-230 PSI (0-16 BAR)	345.0	LM71PR5S5GS1CVCL4	LM71PR5S5GS1CVCL6
0-300 PSI (0-20 BAR)	450.0	LM71PR6S5GS1CVCL4	LM71PR6S5GS1CVCL6

## Series Number (how to order)

### LM7 Engineering Codes

<b>OUTPUT</b>	4...20 mA, 2-wire 5...4.5 Vdc, 3-wire 0...5 Vdc, 3-wire Other output type, specify
<b>ELECTRICAL CONNECTION</b>	PUR vented cable, see Cable Lengths below Other material, specify
<b>SERIES PRESSURE RANGE (PSI)</b>	0-8 PSI (0-0.6 BAR) 0-15 PSI (0-1 BAR) 0-20 PSI (0-1.4 BAR) 0-35 PSI (0-2.4 BAR) 0-60 PSI (0-4 BAR) 0-100 PSI (0-7 BAR) 0-150 PSI (0-10 BAR) 0-200 PSI (0-15 BAR) 0-230 PSI (0-16 BAR) 0-300 PSI (0-20 BAR) Other pressure range, specify
<b>ACCURACY</b>	0.5% Gauge pressure 0.25% Absolute pressure
<b>PROCESS CONNECTION</b>	Submersible Type
<b>SEAL</b>	Ceramic with Viton o-ring
<b>SPECIAL</b>	PSI pressure range (standard, no need to include) BAR pressure range Additional 6 ft (2m) PUR cable Additional 10 ft (3m) PUR cable Additional 15 ft (4.5m) PUR cable Additional 20 ft (6.1m) PUR cable Additional 30 ft (9.1m) PUR cable Additional 40 ft (12.2m) PUR cable Additional 50 ft (15.2m) PUR cable Additional 60 ft (18.3m) PUR cable Additional 75 ft (22.9m) PUR cable Additional 100 ft (30.5m) PUR cable Special

