



### Description & Features:

- Designed for continuous level measurement in clean water, reservoirs and treatment plants
- Rugged stainless steel housing and highly accurate stainless steel sensor
- PUR vented cable in various lengths
- Available ranges from Inches of Water up to 300 psi
- $\pm 0.35\%$  accuracy standard,  $\pm 0.25\%$  optional
- IP68 rated for full submersion and continuous measurement
- CE mark and RoHS compliant
- 5 year warranty

### Applications:

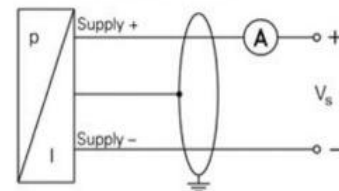
- Appropriate for all level and depth measurement applications including open tanks, ground water, reservoirs and water treatment facilities

### Specifications

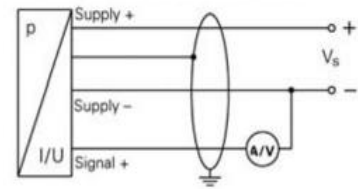
<b>Output Signal</b>	4...20 mA, 2-wire / $V_s = 10-30$ Vdc 5...4.5 Vdc, 3-wire / $V_s = 10-30$ Vdc 0...5 Vdc, 3-wire / $V_s = 10-30$ Vdc
<b>Accuracy</b>	$\pm 0.35\%$ Full Scale Output, $\pm 0.25\%$ FSO optional
<b>Load Resistance</b>	$R_L = (U-10)/0.02(\Omega)$ (4~20mA current output), $>20K\Omega$ (voltage 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 Rating</b>	IP68 for full submersion and continuous measurement
<b>Housing</b>	1Cr18Ni9Ti
<b>Wetted Parts</b>	316L welded sensor
<b>Long Term Stability</b>	$\pm 0.1\%$ FSO (typically per year)
<b>Operation Life</b>	1 million cycles, minimum

### Wiring Diagram

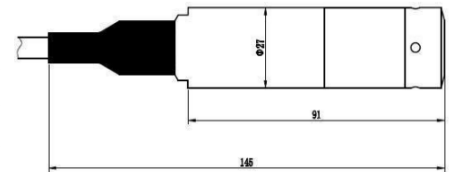
2-wire-system (current)



3-wire-system (current / voltage)



### Dimensions (mm)



27mm = 1.1"

91mm = 3.6"

145mm = 5.7"

## Order Codes

Range (PSI)	Proof-Pressure (Inches of water or PSI)	4/20mA, 0.35% Accuracy PUR vented cable	
		20ft	40ft
0-50 "H2O (0-1,270 MM H2O)	75.0	LM61PR1W3GS16SCL4	LM61PR1W3GS16SCL6
0-100 "H2O (0-2,540 MM H2O)	150.0	LM61PR2W3GS16SCL4	LM61PR2W3GS16SCL6
0-150 "H2O (0-3,810 MM H2O)	225.0	LM61PR3W3GS16SCL4	LM61PR3W3GS16SCL6
0-200 "H2O (0-5,080 MM H2O)	300.0	LM61PR4W3GS16SCL4	LM61PR4W3GS16SCL6
0-300 "H2O (0-7,620 MM H2O)	450.0	LM61PR5W3GS16SCL4	LM61PR5W3GS16SCL6
0-400 "H2O (0-10,160 MM H2O)	600.0	LM61PR6W3GS16SCL4	LM61PR6W3GS16SCL6
0-500 "H2O (0-12,700 MM H2O)	750.0	LM61PR7W3GS16SCL4	LM61PR7W3GS16SCL6
0-5 PSI (0-0.35 BAR)	7.5	LM61PR2P3GS16SCL4	LM61PR2P3GS16SCL6
0-10 PSI (0-0.7 BAR)	15.0	LM61PR5L3GS16SCL4	LM61PR5L3GS16SCL6
0-15 PSI (0-1 BAR)	22.5	LM61PR4P3GS16SCL4	LM61PR4P3GS16SCL6
0-25 PSI (0-1.7 BAR)	37.5	LM61PR4L3GS16SCL4	LM61PR4L3GS16SCL6
0-50 PSI (0-3.4 BAR)	75.0	LM61PR3L3GS16SCL4	LM61PR3L3GS16SCL6
0-100 PSI (0-7 BAR)	150.0	LM61PR2S3GS16SCL4	LM61PR2S3GS16SCL6
0-150 PSI (0-10 BAR)	225.0	LM61PR3S3GS16SCL4	LM61PR3S3GS16SCL6
0-200 PSI (0-15 BAR)	300.0	LM61PR4S3GS16SCL4	LM61PR4S3GS16SCL6
0-230 PSI (0-16 BAR)	345.0	LM61PR5S3GS16SCL4	LM61PR5S3GS16SCL6
0-300 PSI (0-20 BAR)	450.0	LM61PR6S3GS16SCL4	LM61PR6S3GS16SCL6

## Series Number (how to order)

### LM6 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 (INCHES OF WATER)</b>	0-50 "H2O (0-1,270 MM H2O) 0-100 "H2O (0-2,540 MM H2O) 0-150 "H2O (0-3,810 MM H2O) 0-200 "H2O (0-5,080 MM H2O) 0-300 "H2O (0-7,620 MM H2O) 0-400 "H2O (0-10,160 MM H2O) 0-500 "H2O (0-12,700 MM H2O)
<b>SERIES PRESSURE RANGE (PSI)</b>	0-5 PSI (0-0.35 BAR) 0-10 PSI (0-0.7 BAR) 0-15 PSI (0-1 BAR) 0-25 PSI (0-1.7 BAR) 0-50 PSI (0-3.4 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>	0.35% Gauge pressure 0.25% Absolute pressure
<b>PROCESS CONNECTION</b>	Submersible Type
<b>SEAL</b>	316L welded
<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

