

### Description & Features:

- Designed for continuous level measurement in water or other liquids with low viscosity
- 316L SS probe with stainless steel sensor for ease of cleaning
- Available ranges from H<sub>2</sub>O up to 300 psi
- ±0.1% to ±0.35% accuracy ratings
- NEMA 6P / IP68. Approved for outdoor use
- CE, ROHs Compliant all models
- CSA approved 4 - 20mA, 2 wire output
- Customizable
- 5 year warranty

### Applications:

- Typical installations include ground or tank level monitoring of water and sewage treatment measurement



### Specifications

<b>Output Signal</b>	Standard 2-wire: 4-20 mA / Vs = 8-32 Vdc (CSA) Optional 3-wire: 0-20 mA / Vs = 14-30 Vdc 0-10 V / Vs = 14-30 Vdc
<b>Accuracy</b>	±0.35% FSO Optional nominal pressure ≥ 5 psi: ≤±0.25% FSO BFSL All nominal pressure <±0.1% FSO BFSL
<b>Permissible Load</b>	Current 2-wire: R <sub>max</sub> = [(Vs - Vs min) / 0.02] Ohm Current 3-wire: R <sub>max</sub> = 500 Ohm Voltage 3-wire: R <sub>min</sub> = 10 kOhm
<b>Influence Effects</b>	Supply: 0.05% FSO / 10 V Load: 0.05% FSO / kOhm
<b>Long-term Stability</b>	<±0.1% FSO/yr
<b>Response Time</b>	≤10 ms*
<b>Permissible Temperatures</b>	Medium: 14°F to 158°F (-10°C to 70°C) Storage: -13°F to 158°F (-25°C to 70°C)
<b>Reverse Polarity Protection</b>	No damage. No function.
<b>Electromagnetic Compatibility</b>	Emission and immunity according to EN 61326
<b>Electrical Connection</b>	Cable with sheath material**: PVC grey, PUR black, FEP black, others available
<b>Pollution Degree</b>	4, electrical equipment for outdoor use
<b>Housing</b>	316L SS
<b>Seals</b>	FKM, others available
<b>Diaphragm</b>	316L SS
<b>Weight</b>	200 g (without cable)
<b>Current Consumption</b>	Current: 25 mA max Voltage: 7 mA max
<b>Connecting Cables</b>	Cable capacitance: Signal line/shield and signal line/signal line: 160 pF/m Cable inductance: Signal line/shield and signal line/signal line: 1 µH/m
<b>Approval</b>	CSA Certified for electrical equipment
<b>Enclosure Rating</b>	NEMA 6P / IP68

### Order Codes

Range	Over-pressure	Burst Pressure	Code
0/50" water	7 psi	22 psi	LM6W05
0/100" water	15 psi	22 psi	LM6W10
0/150" water	29 psi	44 psi	LM6W15
0/200" water	29 psi	44 psi	LM6W20
0/300" water	73 psi	109 psi	LM6W30
0/400" water	73 psi	109 psi	LM6W40
0/5 psi	15 psi	22 psi	LM6005
0/10 psi	73 psi	109 psi	LM6010
0/15 psi	73 psi	109 psi	LM6015
0/25 psi	145 psi	218 psi	LM6025
0/50 psi	145 psi	218 psi	LM6050
0/100 psi	580 psi	725 psi	LM6100
0/200 psi	580 psi	725 psi	LM6200
0/300 psi	1,160 psi	1,740 psi	LM6300

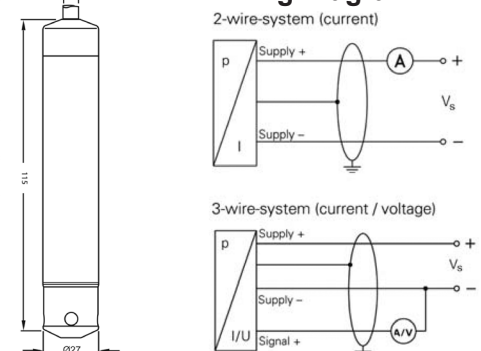
### Thermal Errors (Offset and Span)

Nominal Pressure (psi)	<5	>5
Tolerance Band (% FSO)	<±1	<±0.75
Compensated Range	32°F to 158°F 0°C to 70°C	

### Pin Configuration

Electrical Connection	Cable Colours (DIN 47100)	
2-wire system	Supply +	White
	Supply -	Brown
	Ground	Yellow/green (shield)
3-wire system	Supply +	White
	Supply -	Brown
	Signal +	Green
	Ground	Yellow/green (shield)

### Wiring Diagram



\* With optional accuracy 0.1% FSO the response time is 200 ms

\*\* Cable with integrated air tube for atmospheric pressure reference

Note: Measurements are in mm. Total length of devices with accuracy 0.1% FSO IEC 60770 increases by 35mm. Cable not included (specify type and length)