



Description and Features:

- Slimline probe is especially suited for applications with restricted space
- Designed for continuous level measurement in water or other liquids with low viscosity
- 316L SS probe with stainless steel sensor for ease in cleaning
- Available ranges from H2O up to 300 psi
- ±0.35% accuracy rating
- NEMA 6P / IP68
- Approved for outdoor use
- Customizable
- 1 year warranty

Applications:

- Ideal for restricted space conditions in level and depth measurement applications including ground water and wells



Specifications

Output Signal	Standard 2-wire: 4-20 mA / Vs = 12-36 Vdc
Accuracy	±0.35% FSO BFSL Optional nominal pressure > 5 psi: <±0.25% FSO BFSL
Permissible Load	$R_{max} = [(V_s - V_s \text{ min}) / 0.02] \text{ Ohm}$
Influence Effects	Supply: 0.05% FSO / 10 V Load: 0.05% FSO / kOhm
Long-term Stability	<±0.1% FSO/yr
Response Time	<10 msec
Permissible Temperatures	Medium: 14°F to 158°F (-10°C to 70°C) Storage: -13°F to 158°F (-25°C to 70°C)
Reverse Polarity Protection	No damage. No function.
Electromagnetic Compatibility	Emission and immunity according to EN 61326
Electrical Connection	Cable with sheath material*: PVC grey, PUR black, FEP black
Housing	316Ti SS
Seals	FKM (Viton®, Kalrez®) / EPDM (Nordel®)
Diaphragm	316L SS
Weight	100 g (without cable)
Current Consumption	Current: 25 mA max
Connecting Cables	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
Enclosure Rating	NEMA 6P / IP68

Thermal Errors (Offset and Span)

Nominal Pressure (psi)	<1	<4	<5	<15	>15
Tolerance Band (% FSO)	<±2	<±1.5	<±1	<±1	<±0.75
TC, Average (% FSO/10K)	±0.3	±0.2	±0.14	±0.1	±0.07
Compensated Range	32°F to 122°F 0°C to 50°C		32°F to 158°F 0°C to 70°C		

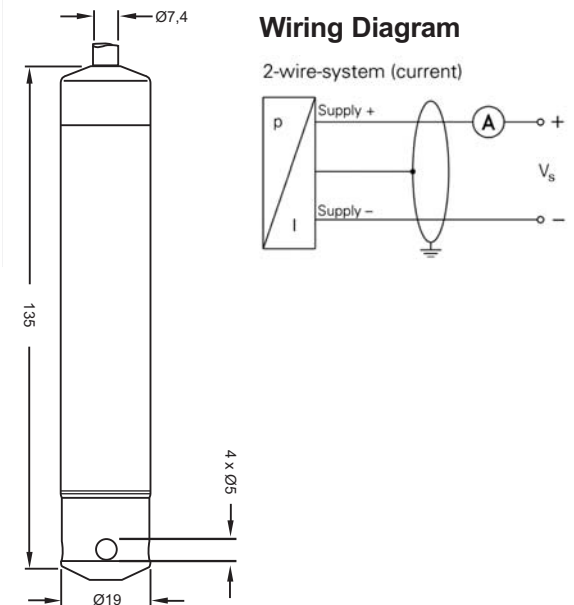
Pin Configuration

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

Order Codes

Range	Over-pressure	Burst Pressure	Code
50" H2O	15 psi	22 psi	LM3W05
100" H2O	15 psi	22 psi	LM3W10
150" H2O	15 psi	22 psi	LM3W15
200" H2O	15 psi	22 psi	LM3W20
300" H2O	15 psi	22 psi	LM3W30
400" H2O	15 psi	22 psi	LM3W40
0-5 psi	15 psi	44 psi	LM3005
0-10 psi	44 psi	109 psi	LM3010
0-15 psi	44 psi	109 psi	LM3015
0-25 psi	87 psi	218 psi	LM3025
0-50 psi	290 psi	218 psi	LM3050
0-100 psi	290 psi	725 psi	LM3100
0-200 psi	870 psi	1,740 psi	LM3200
0-300 psi	1,450 psi	1,740 psi	LM3300

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Note: Measurements are in mm

* Cable with integrated air tube for atmospheric pressure reference