



### Description & 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 H<sub>2</sub>O up to 300 psi
- ±0.35% accuracy rating
- NEMA 6P / IP68
- CE, ROHs Compliant all models
- CSA approved 4 - 20mA, 2 wire output
- Approved for outdoor use
- Customizable
- 5 year warranty

### Applications:

- Appropriate for all hazardous areas where an intrinsically safe rating is required, including oil & gas and chemical installations

### Specifications

|                                    |   |
|------------------------------------|---|
| <b>Output Signal</b>               | Standard 2-wire: 4-20 mA / V <sub>s</sub> = 12-36 Vdc (CSA)   |
| <b>Accuracy</b>                    | ±0.35% FSO BFSL<br>Optional nominal pressure > 5 psi: <±0.25% FSO BFSL  |
| <b>Permissible Load</b>            | R <sub>max</sub> = [(V <sub>s</sub> - V <sub>s min</sub> ) / 0.02] Ohm  |
| <b>Influence Effects</b>           | Supply: 0.05% FSO / 10 V<br>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)<br>Storage: -13°F to 158°F (-25°C to 70°C)  |
| <b>Reverse Polarity Protection</b> | No damage. No function.   |
| <b>Electromagnetic Protection</b>  | Emission and immunity according to EN 61326   |
| <b>Electrical Connection</b>       | Cable with sheath material*: PVC grey, PUR black, FEP black   |
| <b>Housing</b>                     | 316Ti SS  |
| <b>Seals</b>                       | FKM / EPDM  |
| <b>Diaphragm</b>                   | 316L SS   |
| <b>Weight</b>                      | 100 g (without cable)   |
| <b>Current Consumption</b>         | 25 mA max   |
| <b>Connecting Cables</b>           | Cable capacitance: Signal line/shield and signal line/signal line:<br>160 pF/m<br>Cable inductance: Signal line/shield and signal line/signal line:<br>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  | 15 psi        | 22 psi         | LM3W05 |
| 0/100" water | 15 psi        | 22 psi         | LM3W10 |
| 0/150" water | 15 psi        | 22 psi         | LM3W15 |
| 0/200" water | 15 psi        | 22 psi         | LM3W20 |
| 0/300" water | 15 psi        | 22 psi         | LM3W30 |
| 0/400" water | 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 |

Transmitters

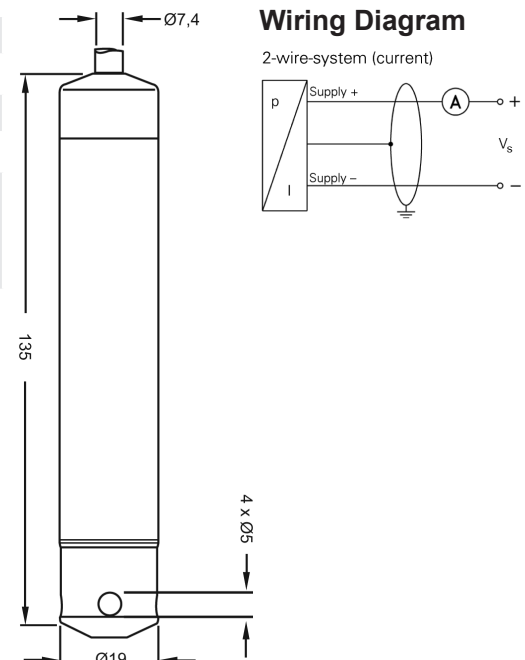
### Thermal Errors (Offset and Span)

| 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<br>0°C to 50°C |       | 32°F to 158°F<br>0°C to 70°C |      |        |

### Pin Configuration

| Electrical Connection | Cable Colours         |
|-----------------------|-----------------------|
| 2-wire system         | Supply +<br>Supply -  |
|                       | White<br>Brown        |
|                       | Ground                |
|                       | Yellow/green (shield) |

\* Cable with integrated air tube for atmosphere pressure reference



Note: Measurements are in mm. Cable not included (specify type and length)