Immersed Electronic Level Transmitter - Polyester Housing

The PL3702-P Immersed Electronic Level Transmitter is a linearized, ceramic device specially designed for petroleum and chemical applications. It features an IP68-rated sensor through 316 L stainless steel housing and shielded polyester cable. The polyester remote electronics box includes an amplifier with zero and span adjustment.
### Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Range</strong></td>
<td>120 mbar to 4 bar.</td>
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<tr>
<td><strong>Accuracy</strong></td>
<td>± 0,3% FS at 20°C</td>
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<td><strong>Overpressure</strong></td>
<td>6 to 25 bar.</td>
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<tr>
<td><strong>Output signal</strong></td>
<td>4-20 mA, 2-wires</td>
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</table>
| **Protection class** | - Sensor: IP68  
                     - Remote box: IP66 |
| **Intrinsic safety** | IECEx, ATEX.  
                       II 1 G D  
                       Ex ia IIC T6 Ga or Ex ia IIB T6 Ga  
                       Ex ia IIIC T80°C Da IP66/67  
                       (Max 50m cable between sensor and remote electronic box). |
| **Power supply**| 12-28 Vdc |
| **Operating ambient temperature** | -20°C to +70°C |

### Special Features

- **Material:**  
  - Remote box: Polyester sea water resistant.  
  - Sensor: Stainless steel 316L.  
  - Diaphragm: Ceramic.  
  - Top tank fitting: Stainless steel 316L.  
  - Bracket fixation: Stainless steel 316L.  
  - Cable: Polyethylene (fire retardant).  
  - Recommended zener barrier for installation in hazardous area: MTL7787+.  
  - Sensor up to max 120°C.  
  - Polyethylene cable up to max 60°C (standard).  
  - PTFE cable up to max 120°C (optional).

### Mechanical Fittings & Dimensions

- **Zero line:** 2 holes Ø 7  
- **Bracket fixation:** 1/2” NPT  
- **Top tank fitting:** G 3/4”  
- **Cable Ø 8mm:** Length custom-made (50m max).

### Mechanical Connection

- **Cable Ø 8mm:** Length custom-made (50m max).  
- **Top tank fitting:** 1/2” NPT  
- **Bracket fixation:** G 3/4”  
- **Zero line:** 2 holes Ø 7  
- **Weight:** 2.1 kg

### Electrical Connection

- **Brown**  
- **Blue**  
- **Red**  

Note: cable length needs to be specified 8 weeks before delivery.

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