MODEL 7500-M254

FEATURES:

- Subsea depth rated to 30K ft WC (9,144 meters)
- Differential design for sea depth reference
- ±0.2% FSO accuracy
- Operating ranges to 10K PSI (689 BAR)

APPLICATIONS:

- ROV
- AUV
- Submarine
- Oil & gas subsea wellhead control systems

PRODUCT OVERVIEW:

The 7500-M254 from GP:50 is a subsea pressure transducer, designed for use within remote or unmanned vehicles. Its open reference provides for sea depth pressure. When used in a non-conductive fluid bladder, the transducer also provides a gauge process pressure. In addition to ROV applications, the compact size and sea rated construction of the 7500-M254 make it ideal for the effective monitoring of subsea oilfield wellhead control systems.
**DIMENSIONAL DRAWING**

All dimensions are in inches (mm)

<table>
<thead>
<tr>
<th>PIN</th>
<th>MODEL 7500-M254</th>
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</thead>
<tbody>
<tr>
<td>A/1</td>
<td>+EXC/SIG</td>
</tr>
<tr>
<td>B/2</td>
<td>N/C</td>
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<tr>
<td>C/3</td>
<td>N/C</td>
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<tr>
<td>D/4</td>
<td>-EXC/SIG</td>
</tr>
<tr>
<td>E/5</td>
<td>N/C</td>
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**REFERENCE SPECIFICATIONS**

**ELECTRICAL**

- **Excitation Voltage:** 9 to 36 Vdc
- **Output Signal:** 4-20 mA
- Optional mV/V or 0 to 5 Vdc
- **Connection:** High-temperature solder J-hook connection

**MATERIALS OF CONSTRUCTION**

- **Wetted Parts:** Inconel 718
- **Housing:** 316L stainless steel

**STATIC ACCURACY (RSS) (Hysteresis, Non-Linearity & Repeatability @ +70 °F)**

±0.2% FSO

**MECHANICAL**

- **Process connection:** SAE AS4320-04 (M) (7/16-20 UNF)
- **Proof Pressure:** 2X range
- **Burst Pressure:** 3X range
- **Approximate Weight:** 0.3 lb (127 gm)

**PRESSURE RANGES**

- 500 PSI to 10K PSI (34 to 689 BAR)

**THERMAL SPECIFICATION**

- **Zero balance and span:** ±0.5% FSO
- **Compensated (ambient):** +35 °F to +170 °F (+23 °C to +205 °C)
- **Operating (ambient):** -20 °F to +190 °F (-4 °C to +205 °C)
- **Storage:** -65 °F to +250 °F (-54 °C to +121 °C)*

*condensation free environment

Standard configurations shown. Please consult factory for other options.

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.