

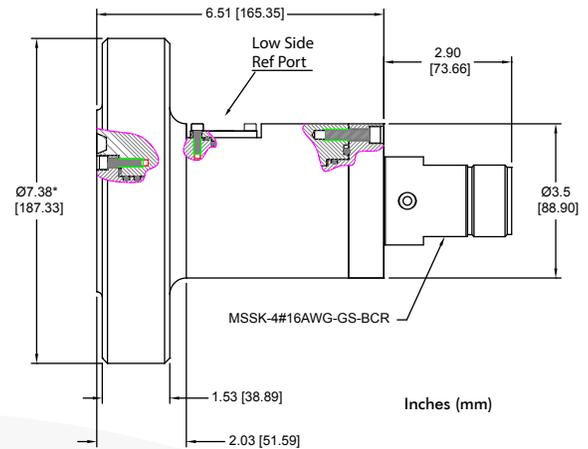
MODEL 7540-9000

WELLHEAD SUBSEA PRESSURE TRANSMITTER WITH INTEGRAL DEPTH SENSOR



| STANDARD WIRING | | |
|----------------------|-----------------|---------------------------------|
| PIN | MODEL 7540-9000 | DESCRIPTION |
| 1 | +EXC/SIG | PRESSURE & TEMPERATURE |
| 2 | -EXC/SIG | 4-20mAdc/HART, PRESSURE LOOP |
| 8 | -EXC/SIG | 4-20mAdc/HART, TEMPERATURE LOOP |
| 3,4,5,6,7,9,10,11,12 | N/C | N/A |

* VARIES BY FLANGE TYPE



**REF DIMENSIONS ONLY.
CONSULT FACTORY FOR ACTUAL DIMENSIONS.**

PRODUCT OVERVIEW:

The 7540-9000 Series from GP:50 is a high-accuracy subsea rated pressure transmitter with sea depth sensing reference offering more than 15 years of field-proven pedigree. This Series features an API flanged process connection with Inconel inlay and all stainless steel housing with full seawater compatibility to 30K (9,144 M). The sea depth reference port provides either a differential output between the process pressure and sea depth, or a dual output between the process pressure and sea depth. A temperature output is also available.

FEATURES:

- Compact, subsea rated design
- API flanged process connections
- Differential pressure reference for depth
- Pressure ranges to 25K PSI
- Seawater rated to 30K ft (9,144 M)
- ±0.15% FSO accuracy option
- Optional digital communication protocols
- Optional temperature output

APPLICATIONS:

- BOP controls
- Subsea wellhead & riser controls
- Subsea lubricator systems
- Offshore oil platforms

OPTIONS:

- Inconel or Hastelloy wetted material
- Subsea rated electrical connectors
- Various API rated flanges
- HART communication protocol
- Optional CAN Bus or RS485 output

GP:50 MODEL 7540-9000

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

| ELECTRICAL | |
|---------------------|---|
| Output Signal: | 4-20 mA both pressure and temperature HART optional |
| Excitation Voltage: | 12 to 36 Vdc 18 to 36 Vdc for HART communication (250 Ω load required) |

| MATERIALS OF CONSTRUCTION | |
|---------------------------|---|
| Wetted Parts: | 718 Inconel & 4130 (Optional Inconel or Hastelloy inlay) |
| Housing: | 316 Stainless Steel |

| ACCURACY (BFSL): Non-Linearity @ +70 °F | |
|---|------------------------------------|
| Standard: | ±0.2% FSO |
| Improved: | ±0.1% FSO |
| Zero & Span Balance: | ±0.5% FSO pressure and temperature |

| MECHANICAL | |
|------------------------|---|
| API Flange: | 2-1/16" thru 4-1/16" Flush or extended nose versions |
| Electrical Connection: | MSSL-12-FCR-PBOF |
| Proof Pressure: | 1.5X pressure range |
| Burst Pressure: | 2.5X pressure range |
| Stability: | ±0.5% FSO/year |
| Approximate Weight: | 180 lbs |

| PRESSURE RANGES | |
|--|--|
| 0 to 5K thru 0 to 25K PSI (345 thru 1,724 BAR) | |

| THERMAL SPECIFICATIONS | |
|------------------------|---|
| Operating Range: | Electronics: +15 °F to +185 °F (-9 °C to +85 °C) HART: +15 °F to +160 °F (-9 °C to +71 °C) |
| Compensated Range: | +32 °F to +392 °F (0 °C to +200 °C) |
| Process: | +15 °F to +392 °F (-9 °C to +200 °C) |
| Effect on Zero/Span: | ±0.5% FSO per CTR |
| Optional Variations: | Consult factory |

GP:50

OIL & GAS

