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TRIDENT AUSTRALIA
FLUID SYSTEMS & COMPONENTS



WELLHEAD SUBSEA PRESSURE TRANSMITTER

MODEL 7540-9000

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)
- $\pm 0.15\%$ FSO accuracy option
- Optional digital communication protocols
- Optional temperature output

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.



Model 7540-9000
Subsea Wellhead
Pressure Transmitter with
Integral Depth Sensor

FIELD OPTIONS:

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

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GP:50 MODEL 7540-9000

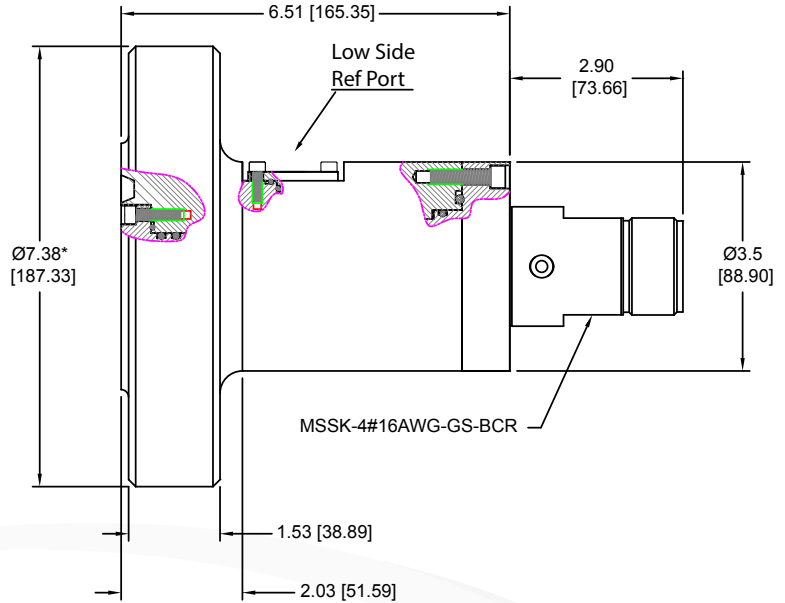
DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

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

* VARIES BY FLANGE TYPE



REFERENCE SPECIFICATIONS

ELECTRICAL
<ul style="list-style-type: none"> • Excitation Voltage: 12 to 36 Vdc 18 to 36 Vdc for HART communication (250 Ω load required) • Output Signal: 4-20 mA both pressure and temperature HART optional • Zero Balance: ±0.5% FSO pressure and temperature • Span: ±0.5% FSO pressure and temperature • Stability: ±0.5% FSO/year • Connection: MSSL-12-FCR-PBOF
MATERIALS OF CONSTRUCTION
<ul style="list-style-type: none"> • Wetted Parts: 718 Inconel & 4130 (optional Inconel or Hastelloy inlay)
STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)
±0.2% FSO (optional ±0.1% FSO)

MECHANICAL
<ul style="list-style-type: none"> • Proof Pressure: 1.5X pressure range • Burst Pressure: 2.5X pressure range • API Flange: 2-1/16" thru 4-1/16" Flush or extended nose versions
PRESSURE RANGES
0 to 5K thru 0 to 25K PSI (345 thru 1,724 BAR)
THERMAL SPECIFICATION
<ul style="list-style-type: none"> • Compensated: +32 °F to +392 °F (0 °C up to +200 °C) • Operating: Electronics: +15 °F to +185 °F (-10 °C to +85 °C) HART: +15 °F to +160 °F (-10 °C to +70 °C) • Process: +15 °F to +392 °F (-10 °C to +200 °C) • Effect on Zero/Span: ±0.5% FSO per CTR
OPTIONAL VARIATIONS
<ul style="list-style-type: none"> • Consult factory

**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.

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