

## MODEL 7540-9000

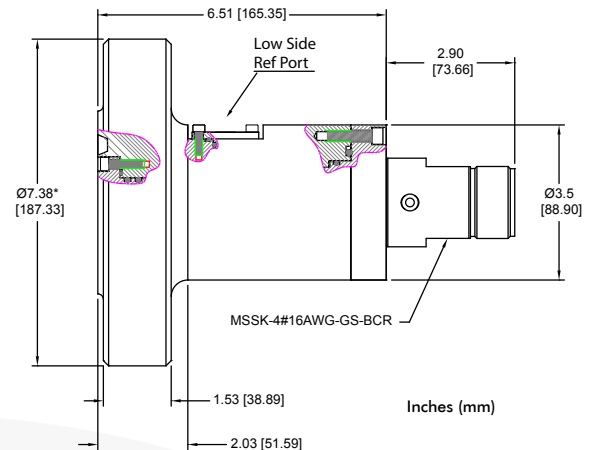
### WELLHEAD SUBSEA PRESSURE TRANSMITTER WITH INTEGRAL DEPTH SENSOR



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 (RSS): Hysteresis, Non-Linearity & Repeatability @ +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

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OIL & GAS

