

WELLHEAD SUBSEA PRESSURE & TEMPERATURE TRANSMITTER

MODEL 7500-9000

FEATURES:

- Provides both pressure and temperature outputs
- API flanged process connections up to 4-1/16"
- Seawater submersible to 30K ft (9,144 M)
- $\pm 0.20\%$ FSO accuracy
- NIST traceability and calibration
- Optional HART communications protocol

APPLICATIONS:

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

PRODUCT OVERVIEW:

The Model 7500-9000 Series from GP:50 is a high-accuracy pressure and temperature transmitter, offering more than 15 years of field-proven pedigree within subsea wellhead applications. The Series features a robust design with all stainless steel housings and wetted parts, full seawater submersibility to 30K ft (9,144 M) and an API flanged process connection. An optional redundant sensor provides backup pressure and temperature outputs, in the case of prime element failures or cabling issues. Optional HART communication protocols are available for remote measurements.

FIELD OPTIONS:

- Redundant sensors and outputs
- Inconel or Hastelloy wetted material
- Subsea rated electrical connectors
- API rated flanges from 2-1/6 to 4-1/16"
- HART communications protocol



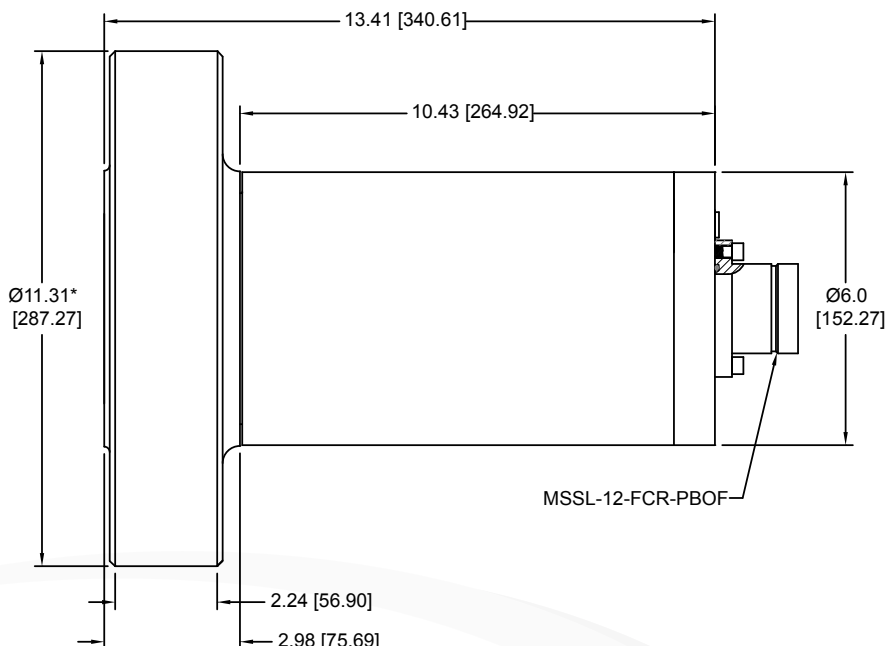
Model 7500-9000
Wellhead Subsea
Pressure & Temperature Transmitter

GP:50 MODEL 7500-9000

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING		
PIN	MODEL 7500-9000	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



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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