



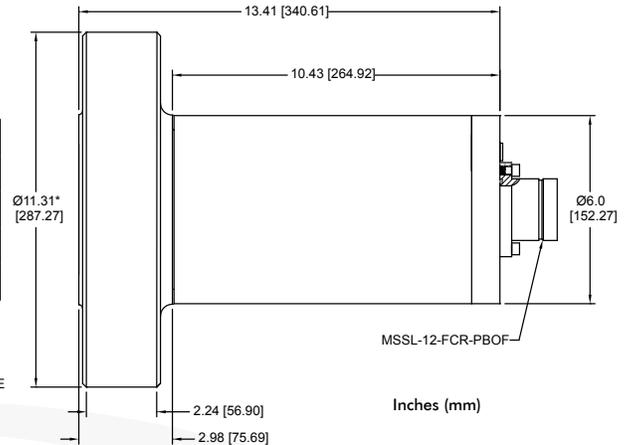
## MODEL 7500-9000 WELLHEAD SUBSEA PRESSURE & TEMPERATURE TRANSMITTER



### STANDARD WIRING

PIN	MODEL 7500-9000	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 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.

### FEATURES:

- Provides both pressure and temperature outputs
- API flanged process connections up to 4-1/16"
- Seawater submersible to 300,000 ft (9,144 M)
- ±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

### 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

# GP:50 MODEL 7500-9000

## REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	4-20 mA HART optional
Temperature Output:	4-20 mA HART optional
Excitation Voltage:	12 to 36 Vdc 18 to 36 Vdc for HART communication (250 $\Omega$ load required)

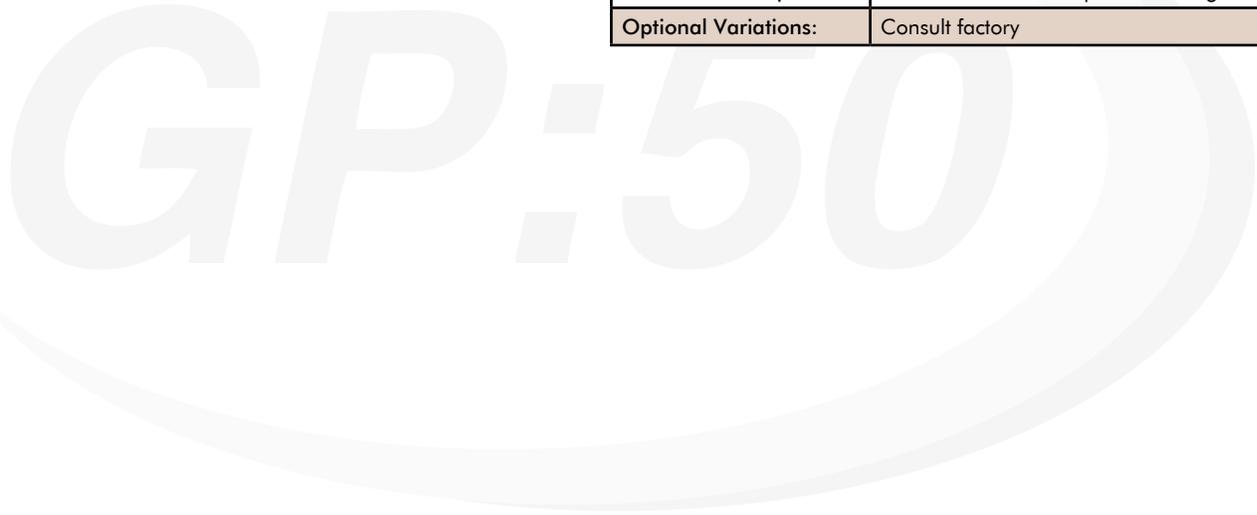
MATERIALS OF CONSTRUCTION	
Wetted Parts:	718 Inconel & 4130 SS (Optional Inconel or Hastelloy inlay)
Housing:	316 stainless steel

ACCURACY (BFSL): Non-Linearity @ +70 °F	
Standard:	$\pm 0.2\%$ FSO
Improved:	$\pm 0.1\%$ FSO
Zero & Span Balance:	$\pm 0.5\%$ 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:	$\pm 0.5\%$ 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 (-10 °C to +85 °C) HART: +15 °F to +160 °F (-10 °C to +70 °C)
Compensated Range:	+32 °F to +392 °F (0 °C to +200 °C)
Process Temperature Range:	+15 °F to +392 °F (-9 °C to +200 °C)
Effect on Zero/Span:	$\pm 0.5\%$ FSO over compensated range
Optional Variations:	Consult factory



OIL & GAS

