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)
- ±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
**REFERENCE SPECIFICATIONS**

**ELECTRICAL**

- **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
- **Stability:**
  - ±0.5% FSO/year
- **Connection:**
  - MSSL-12-FCR-PBOF

**MECHANICAL**

- **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**

- **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**

- Consult factory

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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.