MODEL 540-IM

FEATURES:

- Flush sensor eliminates media plugging
- Compact size
- Rugged welded design
- No zero offset from installation
- CAN bus J1939 Protocol or CANopen

APPLICATIONS:

- Oil field vehicle controls
- Off-shore platforms
- Dredging
- Automotive test stands
- Medical equipment
- Laboratory R&D

PRODUCT OVERVIEW:

GP:50’s model 540-IM series offers CANbus protocol in a flush faced sensor design. GP:50’s CANbus protocol provides high resolution, reduced noise and improved thermal performance. The flush Inconel diaphragm provides maximum corrosion resistance and limits plugging associated with viscous media.

FIELD OPTIONS:

- Field adjustable zero
- Adjustable message addresses, bit rate and message streaming
- Optional extended CAN 2.0B 29-bit CAN identifiers
**DIMENSIONAL DRAWING**
All dimensions are in inches (mm)

**ELECTRICAL**
- **Supply Voltage:**
  - Standard: 5.6 to 18 Vdc
  - Optional Expanded: 4.5 to 37 Vdc
- **Output Signal:** CAN bus SAE J1939 (consult factory)
- **Current Draw:** 40 mA
- **Standard Resolution:** 18 Bit
- **Zero Balance:** ±1% FSO at 70 °F
- **Standard Messaging:**
  - Pressure, temperature & mV/V sensor
  - (Up to four messages can be streamed)
- **Standard CAN Protocol:** 11 Bit CAN identifiers
- **Optional Extended CAN 2.0B-29 Bit CAN identifiers**
- **Connection:** 1/2” NPT (M) conduit with 36” cable leads or 6-Pin Bendix connector

**MATERIALS OF CONSTRUCTION**
- **Wetted Parts:** Inconel
- **Housing:** 300 series stainless steel

**STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)**
- **Standard:** ±0.5% FSO
- **±0.2% FSO and ±0.1% FSO available**

**MECHANICAL**
- **Process connection:** 1/2” NPT (M)
- **Proof Pressure:** 2X FSO (optional 5X)
- **Burst Pressure:** 5X FSO

**PRESSURE RANGES**
- 0 to 50 thru 0 to 1000 PSI (3.5 thru 69 BAR) gauge, sealed gauge, absolute

**THERMAL SPECIFICATION**
- **Compensated:** +30 °F to -185 °F (-1 °C to -120 °C) expanded and improved available
- **Operating Ambient:** -40 °F to +185 °F (-40 °C to +85 °C)
- **Operating Process:** -40 °F to +250 °F (-40 °C to +121 °C)
- **Storage:** -65 °F to +250 °F (-54 °C to +121 °C)
- **Effect on zero/span:** <±0.5 % FSO/100 °F

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.

© 2014 GP:50 NY Ltd. | 2770 Long Rd, Grand Island, NY 14072 USA
Tel: +1.716.773.9300  Fax: +1.716.773.5019  Email: sales@gp50.com  Web: www.gp50.com