Honeywell Precision Pressure Transducer-Ruggedized PPTR

Honeywell's PPTR offers a rugged, smart pressure transducer for use in harsh environments. It combines proven silicon sensor technology with microprocessor-based signal conditioning to provide an extremely smart pressure transducer. Designed with a hermetically sealed, stainless steel construction, the PPTR operates in severe vibration, thermal and mechanical shock environments. The PPTR has many software features that support a wide range of applications.

±0.10%

Accuracy from -40 to 85°C

Digital and Analog

APPLICATIONS:

- > Engine Test Stands
- Flight Testing
- > Water Depth
- > Unmanned Underwater Vehicles
- Instrumentation and Analytical Equipment
- Process Control
- > Research and Development



CEQualified ISO-9001 ISO-14001

High Accuracy ±0.10% FS typical accuracy from -40 to 85°C

FEATURES AND BENEFITS

- Smart, Digital Sensing and Control
- Versatile and Configurable

- Simplifies System Design No additional signal compensation needed to gain the benefits of a very accurate sensor.
- Efficient Data Acquisition Connect up to 89 units on a multidrop bus using built-in RS-485 capability.
 Easy Interface - Directly connects to PC via communication ports.
 Closes the Loop - Smart PPTR makes control decisions.
- Works with existing and new systems. All units have 0-5V analog and either RS-232 or RS-485 digital outputs.
 Isolation diaphragms handle most media - harsh gases or liquids.
 Rugged Design - Operates in severe vibration, thermal, and mechanical shock environments.
 Optimizes Output - User-configurable pressure units, sampling, update rate.
 - Flags Problems Internal diagnostics set flags, provide alarms.
- User Selectable Software Features
- Baud Rate, Parity Setting, Continuous Broadcast, ASCII or Binary Output, Sensor Temperature Output (°C or °F), Deadband, Sensitivity, Tare Value, Configurable Analog Output

PPTR

SPECIFICATIONS

CASE OUTLINE



Find out more

For more information on Honeywell's Precision Pressure Transducers visit us online at <u>www.honeywell.com/pressuresensing</u> or contact us at 800-323-8295 or 763-954-2474. Customer Service Email: <u>ps.customer.support@honeywell.com</u>.

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