Absolute Pressure Transducers

Series 3000 & 4000



Series 3000 Absolute Pressure Transducer



Series 4000 Absolute Pressure Transducer

RANGES 9 Absolute Ranges
0-1000 psia to 0-40000 psia
FEATURES
0.01% Accuracy
0.0001% Resolution
Frequency Outputs
Low Power Consumption
NIST Traceable Calibration
High Stability and Reliability
On-board Coefficient Storage
On-board Application Memory
ISO 9001:2000 Quality System
Fully Calibrated and Characterized

APPLICATION AREAS

Metrology Oceanography Oil Well Testing Energy Exploration Laboratory Standards Process Control Systems Pressure Calibration Systems

Paroscientific manufactures and sells a complete line of high precision pressure instrumentation. Resolution of better than 0.0001% and typical accuracy of 0.01% are achieved even under harsh environmental conditions. Resolution and accuracy comparable to the primary standards make the Digiquartz® Transducers essential for a variety of application areas where high resolution, accuracy, reliability, ruggedness, long-term stability, low power consumption and low cost of ownership are important requirements.

The remarkable performance of these transducers is achieved through the use of a precision quartz crystal resonator whose frequency of oscillation varies with pressure induced stress. A quartz crystal temperature signal is provided to thermally compensate the calculated pressure and achieve high accuracy over a broad range of temperatures. The transducers include integral shock protection to withstand extremely high acceleration, shock, and vibrational loads.

A Quality Management System that is certified to the requirements of the ISO 9001:2000 International Quality Standard provides consistency in our products and processes from design and development through production, calibration, test, and servicing. Our quality system and commitment to excellence ensure customers of outstanding products and services. As a result, we offer a **market-leading** five year limited **warranty** on all Digiquartz® Transducers with the first two years covered at 100%.





Paroscientific,Inc. Digiquartz[®] Pressure Instrumentation

Series 3000 & 4000 Absolute Pressure Transducers



Paroscientific, Inc.

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- (1) Append 0 to order oil-filled units.
- (2) Please consult factory for ruggedized and high temperature (150 °C or 177 °C) models.

Product defined by Specification Control Drawing. Specifications subject to change without prior notice. Manufactured under one or more of the following U.S. Patents: 6,497,152 - 6,595,054. Other patents pending. © Registered Trademark of Paroscientific, Inc.