

Absolute and Gauge Pressure Transducers Series 2000



Series 2000 Absolute Pressure Transducer



Series 2000 Gauge Pressure Transducer

RANGES

10 Absolute Ranges

0-15 psia to 0-500 psia

7 Gauge Ranges

0-2 psig to 0-200 psig

APPLICATION AREAS

Metrology
Hydrology
Aerospace
Meteorology
Oceanography
Laboratory Standards

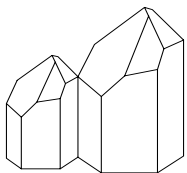
FEATURES

0.01% Accuracy
0.0001% Resolution
Frequency Outputs
Low Power Consumption
NIST Traceable Calibration
High Stability and Reliability
On-Board Application Memory
ISO 9001:2000 Quality System
Fully Calibrated and Characterized
On-Board Coefficient Storage (DDS)

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. Superior 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 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 Management System 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

