

Absolute and Gauge Pressure Transducers Series 2000



Series 2000 Absolute Pressure Transducer



Series 2000 Gauge Pressure Transducer

10 ABSOLUTE RANGES

- 7-16 psia (0.05-0.11 MPa)
- 0-15 psia (0.10 MPa)
- 0-23 psia (0.16 MPa)
- 0-30 psia (0.21 MPa)
- 0-45 psia (0.31 MPa)
- 0-100 psia (0.69 MPa)
- 0-200 psia (1.38 MPa)
- 0-300 psia (2.07 MPa)
- 0-400 psia (2.76 MPa)
- 0-500 psia (3.65 MPa)

7 GAUGE RANGES

- ± 2 psig (±0.015 MPa)
- 0-15 psig (0.10 MPa)
- 0-22 psig (0.15 MPa)
- 0-30 psig (0.21 MPa)
- 0-100 psig (0.69 MPa)
- 0-150 psig (1.03 MPa)
- 0-200 psig (1.38 MPa)

FEATURES & PERFORMANCE**

- Frequency Outputs
- 0.01% Typical Accuracy
- Parts-per-billion Resolution*
- Low Power Consumption
- High Stability and Reliability
- On-Board Coefficient Storage
- On-Board Application Memory
- Fully Calibrated and Characterized
- NIST Traceable Calibration - CE Compliant

APPLICATION AREAS

- Metrology
- Hydrology
- Aerospace
- Meteorology
- Oceanography

*With Digiquartz® Nano-resolution Electronics

**Products defined by specification control drawing

Paroscientific manufactures and sells a complete line of high precision pressure instrumentation. Parts-per-billion resolution and typical accuracy of 0.01% are achieved even under harsh environmental conditions. Digiquartz® Transducers are 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.

Our Quality Management System is certified to the requirements of the ISO 9001 International Quality Standard. It 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. We offer a **market-leading** five year limited **warranty** on all Digiquartz® Transducers with the first two years covered at 100%.



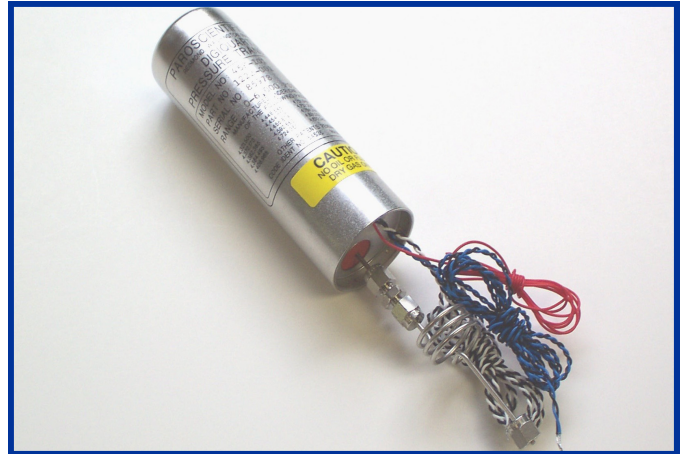
Paroscientific, Inc.
Digiquartz® Pressure Instrumentation

Absolute Pressure Transducers

Series 3000 & 4000



Series 3000 Absolute Pressure



Series 4000 Absolute Pressure

10 ABSOLUTE RANGES

0-1000	psia (6.89 MPa)
0-2000	psia (13.8 MPa)
0-3000	psia (20.7 MPa)
0-4400	psia (30.3 MPa)
0-6000	psia (41.4 MPa)
0-10,000	psia (68.9 MPa)
0-15,000	psia (103 MPa)
0-20,000	psia (138 MPa)
0-30,000	psia (207 MPa)
0-40,000	psia (276 MPa)

APPLICATION AREAS

Metrology
Oceanography
Energy Exploration
Portable Standards
Process Control Systems

FEATURES & PERFORMANCE**

Frequency Outputs
0.01% Typical Accuracy
Parts-per-billion Resolution*
Low Power Consumption
High Stability and Reliability
On-Board Coefficient Storage
On-Board Application Memory
Fully Calibrated and Characterized
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