



bar **SERIES 3000 & 4000**
Absolute Pressure Transducers



Series 3000 Absolute Pressure



Series 4000 Absolute Pressure

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%

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)

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
- Oceanography
- Energy Exploration
- Portable Standards
- Process Control Systems

*With Digiquartz® Nano-resolution Electronics
**Products defined by specification control drawing