

MODEL 745

High Accuracy Pressure Standard



The Model 745 Portable Transfer Standards provide the highest accuracy pressure measurements for laboratory and metrological applications. Digiquartz® Transducers cover 25 absolute and gauge pressure ranges up to 40,000 psi (276 MPa) with unsurpassed **accuracy, reliability** and **stability**. The **new, simple, intuitive** front-panel **user interface** and **versatile functionality** with the rear-panel RS-232 **computer interface** make the Model 745 the best choice for high performance pressure calibrations.

The Model 745 is **portable, easy to use**, and fully **self-contained** in a **CE marked compact case**. Turn it on and immediately read the pressure values in any of nine different user-selectable engineering units. All pressure readings are fully temperature compensated and linearized. Tare functions, pressure units, temperature units, resolution, sampling time, number of display digits, communication settings, baud rates, sensor address, and password can be selected via the front panel menu system. The choices for second line display include an analog pressure bar graph, sensor temperature, rate of pressure change, stored text or external text. The unit can also be controlled via the bi-directional RS-232 interface with a new, improved command set. Free software is included to read and log data via the RS-232 port.

The unit is either continuously powered from its AC adapter or for up to 20 hours from four AA cells. Pressure readings and an overpressure signal can be displayed remotely with the optionally available Model 715 display.

Paroscientific is certified to the **ISO 9001:2000** International Quality Standard. 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%.

PERFORMANCE

- 0.0001% Resolution
- 0.008% Full Scale accuracy

RANGES

- 19 Absolute Pressure Ranges
0-15 psia (0.1 MPa) to 0-40000 psia (276 MPa)
- 6 Gauge Pressure Ranges
0-15 psig (0.1 MPa) to 0-200 psig (1.38 MPa)

FEATURES

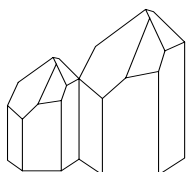
- Intuitive front panel menu system
- Two-line display with menu selectable functions:
 - Taring
 - Engineering units
 - Pressure bar graph
 - Sensor temperature
 - Password protection
 - Rate of pressure change
 - Resolution and sampling speed
 - Adjustable number of display digits
 - User choice of stored or external text
- Rack or panel mount capability
- Enhanced RS-232 command set
- 110V or 220V AC adapter power
- Multiple remote display capability
- Free configuration and logging software
- 20 hours battery operation (4 AA size)

QUALITY AND STANDARDS

- CE marked
- NIST traceable
- High stability and reliability
- ISO 9001:2000 quality system
- Easy installation and low maintenance
- Market-leading 5-year limited warranty
- 3-year stability warranty on barometers

APPLICATION AREAS

- Metrology
- Aerospace
- Meteorology
- Oceanography
- Energy Exploration
- Reference Barometers
- Laboratory Instrumentation



Paroscientific, Inc.
Digiquartz® Pressure Instrumentation



