



bar 765
Portable Pressure Standards



The Model 765 Transfer Standards provide the highest accuracy pressure measurements for portable field applications. The integral Digiquartz® Transducers cover absolute pressure ranges up to 40,000 psi (276 MPa) and gauge pressure ranges up to 200 psig (1.38 MPa).

The Model 765 is portable, easy to use, and fully self-contained in a rugged, compact case. Turn it on and immediately read the pressure values in any of nine user-selectable engineering units. Front panel selections include taring, resolution, sampling time, number of display digits, engineering units, max-min readings, alarm points, and communication parameters. Choices for the second line display include an analog pressure bar graph, sensor temperature, rate of pressure change, stored text or user-defined external text.

An internal logger can automatically store over 390,000 high-resolution data points. The Model 765 can also be controlled via the bi-directional RS-232 or USB interface. The unit is powered by an AC Adapter (included), or by the internal, rechargeable 150 hour battery. Free configuration and logging software is included.

The Model 765 is the best choice for accurate, reliable, and stable pressure measurements.

RANGES

20 Absolute Pressure Ranges from:
0-15 psia (0.10 MPa) to 0-40,000 psia (276 MPa)

6 Gauge Pressure Ranges from:
0-15 psig (0.10 MPa) to 0-200 psig (1.38 MPa)

APPLICATION AREAS

- Metrology
- Aerospace
- Meteorology
- Laboratory Instrumentation
- Oceanography
- Process Control
- Energy Exploration

PERFORMANCE*

0.008% Full Scale Accuracy
Resolution better than one part-per-million

FEATURES

- Simple, intuitive front panel menu system
- Tare, Hold and Programmable Fast Key
- Front panel data entry and display
- Password-protected menu system
- Two-line backlit display – Menu selectable functions
- Taring
- Engineering units
- Pressure bar graph
- Sensor temperature
- Resolution and sampling speed
- Maximum and minimum pressure
- Average pressure, rate, trend and scatter functions
- Free configuration and logging software
- Internal data logging - over 390000 data points
- Enhanced remote control and command
- User-defined outputs
- USB and RS-232 interfaces
- High and low pressure alarm points
- Internal rechargeable battery or AC power
- 100-240 VAC universal power adapter
- Battery status LED and display indicator
- 150 hours rechargeable battery operation

QUALITY AND STANDARDS

- NIST traceable
- Market-leading 5-year limited transducer warranty

*Products defined by specification control drawing

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.