

PORTABLE PRESSURE CALIBRATORS WITH BUILT-IN PRESSURE PUMP

DPI603 Series

Starts at
\$2810



- ✓ 0.075% FS Accuracy
- ✓ NEMA 4 (IP65) Sealed Case
- ✓ Dual Pressure and Electrical Display
- ✓ Internal Transmitter Power Supply
- ✓ Accepts Millivolt, Voltage, or Current Inputs
- ✓ Displays Pressure in 24 Different Scales

The DPI603 portable pressure calibrator is handy when AC power is unavailable. Its built-in pump can generate pressures up to 300 psi. With an optional pressure/vacuum pump, the user can source pressure or vacuum down to 22 inHg. The DPI603 can also measure voltage or current up to ± 50 Vdc or ± 55 mA DC. A 24V supply can power current loops or voltage transducers.

SPECIFICATIONS

Accuracy: $\pm 0.075\%$ FS ± 1 digit (for positive and negative readings)

Resolution: 0.005% FS maximum

Pressure Ranges: -14.7 to 15, +30, +100 or +300 psi

Operating Temp: -9 to 49°C (16 to 120°F)

Compensated Temp: 0 to 40°C (32 to 104°F)

Span Temp Effect: 0.013% FS/°C

Proof Pressure: 200% FS or 350 psi, whichever is less

Wetted Parts: 316 SS, Hastelloy® C276, nylon, FKM and brass

Voltage Range: ± 50 Vdc

Voltage Accuracy: $\pm 0.15\%$ rdg, $\pm 0.02\%$ FS



DPI603-300-A, pneumatic pump, \$3300, shown smaller than actual size.

Voltage Output: 24 Vdc, 25 mA max

Current Range: ± 55 mA DC

Current Accuracy: $\pm 0.075\%$ rdg, $\pm 0.005\%$ FS

Current Output: Loop check, fixed @ 12 mA source or sink

Response Time: 3 readings per second

Temp Coefficient (Electrical): 0.01% rdg/°C

Pressure Port: $\frac{1}{8}$ FNPT

Power: 4 "D" cell batteries (included); 50 hours nominal life (rechargeable Ni-Cad batteries and charger sold separately)

Dimensions: 320 H x 196 W x 127 mm D (12.6 x 7.7 x 5.0")

Weight: 4 kg (9 lb)

Pressure Scales: psi, lb/ft², inHg, inH₂O (40°F and 68°F), torr, atm, Pa, kPa, mPa, hPa, mbar, bar, kg/cm², kg/m², mmHg, cmHg, mmH₂O, cmH₂O, mH₂O, special; LCD can display 2 units

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	RANGE (psi)	DESCRIPTION
DPI603-15	\$2810	-14.7 to 15	Pressure calibrator with pump
DPI603-30	2810	-14.7 to 30	Pressure calibrator with pump
DPI603-100	2810	-14.7 to 100	Pressure calibrator with pump
DPI603-300	2810	-14.7 to 300	Pressure calibrator with pump
DPI603-15-A	3300	-14.7 to 15	Pressure calibrator w/vacuum pump
DPI603-30-A	3300	-14.7 to 30	Pressure calibrator w/vacuum pump
DPI603-100-A	3300	-14.7 to 100	Pressure calibrator w/vacuum pump
DPI603-300-A	3300	-14.7 to 300	Pressure calibrator w/vacuum pump

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
DPI603-BATTERY	\$100	Four D-cell NiCad batteries
DPI603-CHARGER	100	Charger for NiCad batteries
ME-0341	135	Reference Book: Pump Handbook

Comes complete with carrying case, electrical test leads, 4 "D" cell batteries, NIST calibration certificate and operator's manual.

Ordering Examples: DPI603-15-A, -14.7 to 15 psi unit with optional pressure/vacuum pump, \$3300.

DPI603-100, -14.7 to 100 psi pressure calibrator, \$2810.

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PRESSURE INSTRUMENTS



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

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Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



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• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters