

PORTABLE PRESSURE CALIBRATORS WITH BUILT-IN PRESSURE PUMP

DISCONTINUED

DPI603 Series



- ✓ 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, 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

To Order

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

ACCESSORIES

| MODEL NO. | DESCRIPTION |
|----------------|-----------------------------|
| DPI603-BATTERY | Four D-cell NiCad batteries |
| DPI603-CHARGER | Charger for NiCad batteries |

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.
 DPI603-100, -14.7 to 100 psi pressure calibrator.

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PRESSURE INSTRUMENTS

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