

HIGH-ACCURACY PORTABLE PRESSURE CALIBRATORS WITH BUILT-IN PRESSURE PUMP

DISCONTINUED

DPI610 Series



Standard

- ✓ 0.025% FS Accuracy
- ✓ Calibration Certified to International Standards
- ✓ Integral Pressure/ Vacuum Pump
- ✓ Dual Display of Output Pressure and Electrical Input
- ✓ 4 to 20 mA Loop Test with Auto Step and Ramp
- ✓ RS232 Interface with Data Storage
- ✓ Multilingual Display—English, French, German, Italian, Spanish, Portuguese

The DPI610s advanced features make it the calibrator of choice for a wide range of applications. It can source and read pressure and current as well as voltages. In addition, a 10 or 24V supply can power current loops or pressure transducers.

The DPI610s dedicated task menus are easy-to-use. By simply pressing the TASK button, the user can choose between a number of pre-programmed tasks. These include P-I (pressure vs current); P-V (pressure vs voltage); LEAK TEST; PRESSURE SWITCH TEST; and several more advanced functions, including a square root function for flow measurements and mA step or ramp functions. A USER mode lets the user customize tasks.

The DPI610 can store up to 20 displays in a cyclic buffer for later analysis. Data can be stored either manually or automatically at preset time intervals and can then be viewed on the screen or uploaded to a computer via the standard RS232 interface.

For Remote and Low Pressure Sensor Options Visit omega.com/dpi610



DPI610PC-300, shown smaller than actual size.

SPECIFICATIONS

Pneumatic Ranges: ±5 psi, -15 to 30 psi, -15 to 100 psi, -15 to 300 psi

Hydraulic Ranges: 0 to 3000 or 0 to 6000 psi

Accuracy: 0.025% FS, +1 LSD

Operating Temp: -10 to 50°C (14 to 122°F)

Compensated Temp: -10 to 50°C (14 to 122°F)

Temperature Effects: 0.004% rdg/°C (0.002% rdg/°F)

Humidity: 0 to 90% non-condensing

Proof Pressure (Lesser of):
Pneumatic: 200% or 500 psi
Hydraulic: 200% or 9000 psi

Pressure Media:

Pneumatic: Dry, non-corrosive gases
Hydraulic: Demineralized water and most hydraulic oils

Voltage Range: ±50 Vdc

Current Range: ±55 mA DC

Electrical Accuracy: ±0.05% rdg, ±0.004% FS

Temp Effects: ±0.007% rdg/°C (±0.004% rdg/°F)

Display: 60 x 60 mm (2.36 x 2.36") graphic LCD with backlight

Readout: ±99,999 max

Display Update: 2 readings per second
Dimensions: 280 H x 170 W x 140 mm D (11.0 x 6.7 x 5.5")

Weight: 3 kg (6.6 lb)

Pressure Port: 1/8 FNPT

To Order

MODEL NO.	RANGE psi
DPI610PC-5	-5 to 5
DPI610PC-30	-15 to 30
DPI610PC-100	-15 to 100
DPI610PC-300	-15 to 300
DPI610HC-3K	0 to 3000
DPI610HC-6K	0 to 6000

Comes complete with hand pump, volume adjuster, carrying case, rechargeable batteries, charger, calibration certificate and operator's manual.

Ordering Example: DPI610PC-300, -15 to 300 psi calibrator.

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