

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

DPI610 Series

Starts at
\$3100



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- ✓ 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 DPI610's 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 DPI610's 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.



DPI610PC-300, \$3100, shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	RANGE	DESCRIPTION
DPI610PC-5	\$3100	-5 to 5	Pneumatic pressure calibrator
DPI610PC-30	3100	-15 to 30	Pneumatic pressure calibrator
DPI610PC-100	3100	-15 to 100	Pneumatic pressure calibrator
DPI610PC-300	3100	-15 to 300	Pneumatic pressure calibrator
DPI610HC-3K	4340	0 to 3000	Hydraulic pressure calibrator
DPI610HC-6K	4340	0 to 6000	Hydraulic pressure calibrator
OPTIONS			
-B1-(range)	See next page		Remote sensor option

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
DPI610-B2	\$135	Remote sensor cable (required)
CM-4422	40	Reference Book: Hydraulics and Pneumatics

Comes complete with carrying case, rechargeable batteries, charger, calibration certificate and operator's manual. See next page for remote sensor ranges.

Ordering Examples: DPI610PC-30, -15 to 30 psi calibrator, \$3100.

DPI610PC-100, -15 to 100 psi calibrator, \$3100.

HIGH-ACCURACY PORTABLE PRESSURE CALIBRATORS

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

B2 Remote Pressure Sensor Option (DPI610-B2 Cable Required)

TO ORDER REMOTE SENSOR OPTION, ADD -B1-(RANGE CODE) AFTER MODEL NUMBER

AVAILABLE REMOTE SENSOR RANGES					
RANGE (psi)	RANGE CODE	(*) INSERT	GAGE PRICE	ABSOLUTE PRICE	DIFFERENTIAL PRICE
0 to 1	-001(*)	G or D	1105	N/A	\$1335
0 to 2.5	-02.5(*)	G or D	1105	N/A	1335
0 to 5	-005(*)	G, A, or D	885	\$885	1105
0 to 10	-010(*)	G, A, or D	885	885	1105
0 to 15	-015(*)	G, A, or D	885	885	1105
0 to 30	-030(*)	G, A, or D	885	885	1105
0 to 50	-050(*)	G, A, or D	885	885	1105
0 to 100	-100(*)	G, A, or D	885	885	1105
0 to 150	-150(*)	G, A, or D	885	885	1105
0 to 300	-300(*)	G, A, or D	885	885	1105
0 to 500	-500(*)	G, A, or D	885	885	1105
0 to 1000	-1K(*)	G or A	1105	1105	N/A
0 to 2000	-2K(*)	G or A	1105	1105	N/A
0 to 2500	-2.5K(*)	G or A	1105	1105	N/A
0 to 3000	-3K(*)	G or A	1105	1105	N/A
0 to 5000	-5K(*)	G or A	1105	1105	N/A
0 to 6000	-6K(*)	G or A	1105	1105	N/A
0 to 10,000	-10K(*)	G or A	1105	1105	N/A

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

(*) Insert "G" for gage, "A" for absolute or "D" for differential. (Gage transducers 1000 psi and higher are sealed gage pressure.)

Ordering Example: DPI610PC-30-B1-(010D), -15 to 30 psi calibrator with the remote sensor option (B1), range 10 psid, \$2895 + 1105 = \$4000. **Note:** DPI610-B2 must use remote sensors, \$100.

B-3 Remote Very-Low-Pressure Option (DPI610-B3 CAL Required)

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
-B3-(range)	\$1545	Very-low-pressure remote sensor option
DPI610-B3-CAL	150	Low-pressure calibration (required)

AVAILABLE VERY LOW PRESSURE SENSOR RANGES

RANGE (inH ₂ O)	RANGE CODE	DESCRIPTION
±0.5	0.5	Range for very-low-pressure remote sensor
±1	1	Range for very-low-pressure remote sensor
±5	5	Range for very-low-pressure remote sensor
±10	10	Range for very-low-pressure remote sensor
±20	20	Range for very-low-pressure remote sensor

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

Ordering Example: DPI610PC-30-B3-(1), -15 to 30 psi calibrator with ±1 inH₂O remote sensor option (B3), range ±1 inH₂O, \$2895 + 1545 = \$4440. **Note:** DPI610-B3-CAL is required with very low-pressure remote sensors, \$150.



DPI610PC-300, \$3100, shown smaller than actual size.

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