

# TRIPLE-RANGE HIGH-ACCURACY PRESSURE STANDARDS

## DUAL DISPLAY—DIGITAL AND BAR GRAPH

### PCL-3000 Series



Standard

Used to Test and Calibrate Pressure Transducers



PCL-3000B shown smaller than actual size.

- ✓ Absolute and Gage Pressure Measurement
- ✓ Accuracy of  $\pm 0.05\%$  FS
- ✓ Ranges from 10 to 10,000 psi
- ✓ Automatic Zeroing (No Potentiometer Needed)
- ✓ Self-Calibrating
- ✓ RS232 Output Optional
- ✓ Integral Stainless Steel Transducer

PCL-3000 Series digital pressure standards are designed for use in the manufacture, testing, or calibration of pressure-sensitive devices. Using a patented, bonded-foil, strain-gage sensor and advanced microcircuitry, these rugged, compact instruments provide simultaneous digital and analog readouts. The digital display shows precise pressure information, while the analog display gives direction and pressure level.

Features include auto-zeroing and self-calibration. A front-panel knob allows the user to select pressure ranges.

### SPECIFICATIONS

**Accuracy:**  $\pm 0.05\%$  FS max, each range. Accuracy statement includes linearity, hysteresis and repeatability.

**Operating Temperature:** 10 to 43°C (50 to 109°F)

**Pressure Media:** Any media compatible with 17-4 PH stainless steel

**Overpressure Capability:** 750% FS on lowest range; 300% FS on middle range; 150% FS on highest range

**Display Resolution:** Nominally 0.02% FS for each pressure range

**Reading Rate:** 10/s

**Input Voltage:** 117 or 220 Vac  $\pm 10\%$ , 50/60 Hz; voltage selected via transformer taps

**Pressure Connection:** 7/16-20 UNFM

**Power Consumption:** 8 W, typical

**Nominal Size:** 27 W x 12 H x 25 cm D (10.8 x 4.9 x 9.9")

**Panel Cutout:** 26.9 x 12 cm (10.62 x 4.75")

**Weight:** 2.3 kg (5 lb)

### To Order

MODEL NO.	RANGE	TYPE
PCL-3000A	5000/2500/1000	psig and psia
PCL-3000B	1000/500/200	psig and psia
PCL-3000C	500/250/100	psig and psia
PCL-3000D	100/50/20	psig with conversion to inH <sub>2</sub> O
PCL-3000E	50/25/10	psig with conversion to inH <sub>2</sub> O
PCL-3000G	10000/5000/2000	psig and psia

### OPTIONS

SUFFIX	DESCRIPTION
-1	Analog output, selectable 0 to 10 Vdc or 4 to 20 mA, isolated
-4	RS232 simplex output
-5	Peak hold*
-7	Battery operation**
-9	Panel mounting kit
-10	Freeze mode for testing pressure switches*

\* The peak hold and freeze mode options require a setup charge when ordered in one unit. Please list as separate line item.

\*\* Excludes bar graph display.

Comes complete with pocket thermometer, **NIST traceable certificate** and operator's manual.

**Ordering Examples:** PCL-3000C-4, 500/250/100 psig and psia range unit, with RS232 simplex output.

PCL-3000B, 1000/500/200 range unit, psig and psia.