

HIGH-ACCURACY MULTIFUNCTION CALIBRATOR WITH RS232 INTERFACE

PCL1000
\$1360



- ✓ **Excellent Accuracy:**
±0.6°C T/C, ±0.3°C RTD,
0.015% Electrical,
0.025% FS ±0.025% Rdg
Pressure
- ✓ **Read and Source Modes**
- ✓ **10 T/C Types; 8 RTD Types
plus 400 Series Thermistor**
- ✓ **Stores Up to 9-Setpoints
for Each Output Function**



PCL1000, \$1360,
shown smaller
than actual size.

SPECIFICATIONS

Stability: 0.01% FS/°C outside
of 23 ±5°C

Pressure Accuracy: See table

Max Overpressure: See table

Ports: ¼ FNPT

Media Compatibility: See note

T/C Types: J, K, T, E, R, S, B, N, L, U

RTD Ranges:

Pt385 (100, 200, 500, 1000 Ω),

Pt392, JIS, Ni120, CU10, YS1400

Ω Ranges: 0 to 400 and 400 to 4000

Voltage:

Low: I/O 0 to 20 V

High: Input only 0 to 250 Vac/Vdc

Frequency: 0 to 1000 cps,

0 Hz to 10 kHz

Continuity: 0 to 400 Ω audible tone
under 10 Ω

Accuracy:

T/C Type J: ±0.3°C ±10 μV
(±0.6°C total error)

RTD Pt100: ±0.1°C ±0.075 Ω
(±0.3°C total error)

Ω (400): ±0.1 Ω

Ω (4000): ±1 Ω

mA Compliance: Up to 1000 Ω

Voltage Drive: 1 mA

RTD IEX Range: 0.01 to 3 mA

RTD Frequency Response: 10 mS

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

Storage Temp: -40 to 60°C
(-40 to 140°F)

Batteries: 4 "AA" alkaline (included)

Dimensions: 191 H x 102 W x 38 mm D
(7.5 x 4 x 1.5")

Weight: 350 g (12 oz)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION		
PCL1000	\$1360	High-accuracy multifunction calibrator		
EXTERNAL PRESSURE MODULES*				
MODEL NO.	PRICE	PARAMETER RANGE GAGE (psig)	ACCURACY	OVER PRESS.
PCL-PMA	\$310	Pressure module adaptor (one required)		
PCL-PM030G	795	0 to 30 (0 to 2 bar)	±0.025%	300%
PCL-PM050G	795	0 to 50 (0 to 3.5 bar)	±0.03%	300%
PCL-PM100G	795	0 to 100 (0 to 7 bar)	±0.025%	300%
PCL-PM300G	795	0 to 300 (0 to 20 bar)	±0.025%	200%
PCL-PM1KG	795	0 to 1000 (0 to 70 bar)	±0.05%	200%
PCL-PM3KG	795	0 to 3000 (0 to 200 bar)	±0.1%	200%
PCL-PM5KG	795	0 to 5000 (0 to 340 bar)	±0.1%	200%
PCL-PM015VAC	795	0 to -15 (0 to -1 mbar)	±0.025%, ±0.0025 psi	300%
PCL-PM015A	795	0 to 15 (0 to 1 bar) abs.	±0.025%, ±0.0025 psi	300%
PCL-PM030A	795	0 to 30 (0 to 2 bar) abs.	±0.025%	300%
PCL-PM015C	795	-15 to 15 (-1 to 1 bar)	±0.025%, ±0.0025 psi	300%
PCL-PM030C	795	-15 to 30 (-1 to 2 bar)	±0.025%, ±0.0025 psi	300%
PCL-PM030D	795	0 to 30 (0 to 2 bar) diff.	±0.025%	300%

* Most popular ranges (see pressure module page for all ranges).

Note: Gage, absolute and compound types are isolated and accept any media compatible with 316 SS. Vacuum and differential types are compatible with pressure media that are clean, dry, non-corrosive air or gas.

Comes with test leads, protective rubber boot, 4 "AA" alkaline batteries, NIST-traceable certificate and complete operator's manual.

Ordering Example: PCL1000, high-accuracy multifunction calibrator, \$1360. To add pressure, order 1 PCL-PMA (required) plus the modules you need. PCL-PMA pressure module adaptor plus PCL-PM030G, 0 to 30 psig pressure module, \$310 + 795 = \$1105.

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