



# HANDHELD PRESSURE CALIBRATOR

## 0.05% ACCURACY, SINGLE PRESSURE INPUT, VOLTAGE AND CURRENT

### PCL340 Series

Starts at  
**\$1099**



- ✓ One Isolated Pressure Sensor
- ✓ External Connection Supports All PCL-PM Series Pressure Modules (25 Ranges)
- ✓ Internal 24 Vdc Loop Power Supply
- ✓ Measures 24 mA or 30 Vdc
- ✓ Large, Backlit, Configurable Display for 1, 2, or 3 Variables
- ✓ Switch Test on Pressure (Internal or External)
- ✓ 5-Setups Can be Stored and Recalled
- ✓ % Error and Damping Functions
- ✓ Compact Handheld Design
- ✓ Powered by 4 "AA" Alkaline Batteries (Included)

OMEGA's PCL340 is a general purpose, handheld pressure calibrator. With one internal pressure range and an available adaptor for external OMEGA PCL-PM Series pressure modules, it is extremely versatile. Available internal sensor ranges are 1, 5, 30, 100, and 300 psi.

Pressure can be displayed in the user's choice of engineering units: psi, bar, mbar, kPa, mPa, kg/cm<sup>2</sup>, cmH<sub>2</sub>O @ 4°C, cmH<sub>2</sub>O @ 20°C, cmH<sub>2</sub>O @ 60°F, mH<sub>2</sub>O @ 4°C, mH<sub>2</sub>O @ 20°C, mH<sub>2</sub>O @ 60°F, inH<sub>2</sub>O @ 4°C, inH<sub>2</sub>O @ 20°C, inH<sub>2</sub>O @ 60°F, ftH<sub>2</sub>O @ 4°C, ftH<sub>2</sub>O @ 20°C, ftH<sub>2</sub>O @ 60°F, mmHg, inHg, or one user-defined unit.



PCL340-030, \$1099, shown smaller than actual size.

### SPECIFICATIONS

**Pressure Accuracy:** All ranges  
±0.05% FS

**DC Measurement Accuracy:**  
mA: ±0.015% of rdg ±0.002 mA  
V: ±0.015% of rdg ±0.002 V

**Temperature Effect:** No effect on accuracy for all functions from 18 to 23°C. Add ±0.005% FS/°C for temperatures outside range.

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

**Storage Temperature:**  
-20 to 60°C (-4 to 140°F)

**Power:** 4 "AA" alkaline batteries (included)

**Battery Life:** >35 hours continuous, typical usage

**Dimensions:** 21 H x 10 W x 4.6 cm D (8.3 x 3.9 x 1.8")



**Weight:** 0.57 kg (1 lb, 4 oz)

**Connectors/Ports:** ¼ FNPT, pressure module; banana jacks for mA and V

### MOST POPULAR MODELS HIGHLIGHTED!

#### To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
SINGLE PRESSURE SENSOR MODELS		
PCL340-001	\$1099	Pressure calibrator with one 1 psig sensor
PCL340-005	1099	Pressure calibrator with one 5 psig sensor
PCL340-030	1099	Pressure calibrator with one 30 psig sensor
PCL340-100	1099	Pressure calibrator with one 100 psig sensor
PCL340-300	1099	Pressure calibrator with one 300 psig sensor
PRESSURE KITS WITH PNEUMATIC PUMP		
PCL340-001-KIT	\$1399	Pressure calibrator kit with one 1 psig sensor
PCL340-005-KIT	1399	Pressure calibrator kit with one 5 psig sensor
PCL340-030-KIT	1399	Pressure calibrator kit with one 30 psig sensor
PCL340-100-KIT	1399	Pressure calibrator kit with one 100 psig sensor
PCL340-300-KIT	1699	Pressure calibrator kit with one 300 psig sensor

Comes with soft case, 4 "AA" batteries, manual, NIST-traceable calibration certificate, test leads.

**Note:** See PCL-PM on page A-28 for full details on available external pressure modules.

**Ordering Example:** PCL340-005, high-value pressure calibrator, 5 psig internal sensors, \$1099. External pressure modules: specify one PCL-PMA adaptor, \$310, and modules, \$795 ea. Example: PCL-PMA, adaptor, PCL-PM015A, 15 psi absolute pressure module, PCL-PM030C, vacuum to 30 psig module, \$310 + 795 + 795 = \$1900.

#### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
EE-2455	\$170	Reference Book: The Engineering Handbook

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### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

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