

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

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, kg/cm², mmH₂O (@4 or 20°C), cmH₂O (@4 or 20°C), mH₂O (@4 or 20°C), inH₂O (@4 or 20°C or 60°F), mmHg, inHg, ftH₂O (@4 or 20°C or 60°F) or one user-defined unit.

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



PCL340-030 pressure calibrator comes complete with 4 "AA" batteries, test leads, soft case, and NIST calibration certificate, \$1099.

1/4 FNPT port for pressure use.

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 (1.25 lb)

Connectors/Ports: 1/4 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 complete with soft case, 4 "AA" batteries, manual, NIST-traceable calibration certificate, test leads.

Ordering Examples: PCL340-030, pressure calibrator with 30 psig internal sensor, \$1099. PCL340-300, pressure calibrator with 300 psig internal sensor, with one PCL-PMA, adaptor, and PCL-PM015A, 15 psia external pressure module, \$1099 + 310 + 795 = \$2204.

See page A-32 for the full selection of PCL-PM external pressure modules.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

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More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• 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

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters