

HANDHELD PRESSURE CALIBRATOR 0.05% ACCURACY, SINGLE PRESSURE INPUT, VOLTAGE AND CURRENT



PCL340 Series

- ✓ 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



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

1/4 FNPT port for pressure use.

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

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

To Order	
MODEL NO.	DESCRIPTION
SINGLE PRESSURE SENSOR MODELS	
PCL340-001	Pressure calibrator with one 1 psig sensor
PCL340-005	Pressure calibrator with one 5 psig sensor
PCL340-030	Pressure calibrator with one 30 psig sensor
PCL340-100	Pressure calibrator with one 100 psig sensor
PCL340-300	Pressure calibrator with one 300 psig sensor
PRESSURE KITS WITH PNEUMATIC PUMP	
PCL340-001-KIT	Pressure calibrator kit with one 1 psig sensor
PCL340-005-KIT	Pressure calibrator kit with one 5 psig sensor
PCL340-030-KIT	Pressure calibrator kit with one 30 psig sensor
PCL340-100-KIT	Pressure calibrator kit with one 100 psig sensor
PCL340-300-KIT	Pressure calibrator kit with one 300 psig sensor

Comes complete with soft case, 4 "AA" batteries, manual, calibration certificate, test leads.

Ordering Examples: PCL340-030, pressure calibrator with 30 psig internal sensor.

PCL340-300, pressure calibrator with 300 psig internal sensor, with one PCL-PMA, adaptor, and PCL-PM015A, 15 psia external pressure module.

Visit OMEGA for a full selection of PCL-PM external pressure modules.