



The PPC-9001 Precision Pressure Calibrator is designed to meet the needs of the most demanding field calibration applications. Its microprocessor design yields many useful features including a built-in RS-232 port for data transfer to a PC. The PPC-9001 offers a wide range of pressure media compatibility and a pressure connection manifold which allows secure mounting of the optional hand pump. The built-in loop power supply along with milliamp or voltage read capability make the PPC-9001 ideal for calibrating pressure and flow transmitters.

Each unit includes:
Tools, carrying case, test leads,
4 AA alkaline batteries,
instruction manual, and NIST
Certificate

PPC-9001K Pressure Kit



Kit includes:
PPC-9001, MECP100 Hand Pump,
carrying case, test leads, AC adapter,
fittings, tools, 4 AA alkaline batteries,
instruction manual, and NIST
Certificate

PPC-9001

High Accuracy Pressure Calibrator with Simultaneous mA or Voltage Measurement

Features

- .05% Full Scale Accuracy
- Microprocessor Based Design
- Compatible with Wide Range of Pressure Media
- Simultaneous Display of Pressure vs Milliamps or Voltage Signals
- Built-in 24 Volt Loop Power Supply
- Built-In RS-232 Interface
- Optional Hand Pump Attaches as Pressure Source
- Rugged Manifold with Three Connection Ports
- Easy User Access to Pressure Calibration Adjustment

General Specifications

Pressure:	0 - 5.000 PSI 0 - 30.000 PSI 0 - 100.00 PSI
Electrical:	mA: 0 to 24.000 Volts: 0 to 20.000
Accuracy: 18° to 28°C	0.05% F.S. ±1 LSD for both pressure and mA / V
Loop Power:	24 VDC ±10% supply built-in
Stability:	0.01%/°C for temps. outside of 23°C ±5°C
Oper. Temp.:	32 to 122°F / 0 to 50°C
Storage Temp.:	-20 to 60°C
Media Compatibility:	Non-Corrosive Gasses and Liquids
Pressure Connections:	1/8" FNPT
Current Connections:	Banana Jacks on 3/4" centers
Current Overload Protection:	1/8 A Fuse
Display:	LCD; dual pressure and mA or V readout
Power:	4 AA Alkaline Cells or 4 AA Ni-Cd Cells Optional AC Adaptor, Ni-Cd Charger Available
Size:	7" x 3.8" x 1.6" HWD

5 PSI Sensor

Range	Min	Max	Accuracy (±0.05% F.S.)
PSI	0.000	5.000	0.004
mmHg	0.00	258.55	0.14
Bar	0.0000	0.3448	0.0003
KPa	0.00	138.40	0.08
inH ₂ O-4C	0.00	138.40	0.08
cmH ₂ O-4C	0.0	351.5	0.3
mmH ₂ O-4C	0.0	3515.5	1.9
Kg/cm ²	0.000	0.3515	0.0003

100 PSI Sensor

Range	Min	Max	Accuracy (±0.05% F.S.)
PSI	0.000	100.00	0.05
mmHg	0	5171	3
Bar	0.000	6.895	0.004
KPa	0.00	689.5	0.35
inH ₂ O-4C	0.0	2768.0	1.4
cmH ₂ O-4C	0	7030	4
mmH ₂ O-4C	0.0	7030	45.15
Kg/cm ²	0.000	7.030	0.005

30 PSI Sensor

Range	Min	Max	Accuracy (±0.05% F.S.)
PSI	0.000	30.000	0.016
mmHg	0.0	1551.3	0.9
Bar	0.0000	2.0685	0.0011
KPa	0.00	206.85	0.11
inH ₂ O-4C	0.0	830.4	0.5
cmH ₂ O-4C	0.0	2109.0	1.2
mmH ₂ O-4C	0	21090	12
Kg/cm ²	0.0000	2.1090	0.0012

MODEL NO.

DESCRIPTION

PPC-9001	High Accuracy Pressure Calibrator
PPC-9001K	High Accuracy Pressure Calibrator Kit
10077	AA Ni-Cd Batteries (requires 4)
1001-9V	Optional A/C Adapter/Charger