



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

<b>Pressure:</b>	0 - 5.000 PSI 0 - 30.000 PSI 0 - 100.00 PSI
<b>Electrical:</b>	mA: 0 to 24.000 Volts: 0 to 20.000
<b>Accuracy:</b> 18° to 28°C	0.05% F.S. ±1 LSD for both pressure and mA / V
<b>Loop Power:</b>	24 VDC ±10% supply built-in
<b>Stability:</b>	0.01%/°C for temps. outside of 23°C ±5°C
<b>Oper. Temp.:</b>	32 to 122°F / 0 to 50°C
<b>Storage Temp.:</b>	-20 to 60°C
<b>Media Compatibility:</b>	Non-Corrosive Gasses and Liquids
<b>Pressure Connections:</b>	1/8" FNPT
<b>Current Connections:</b>	Banana Jacks on 3/4" centers
<b>Current Overload Protection:</b>	1/8 A Fuse
<b>Display:</b>	LCD; dual pressure and mA or V readout
<b>Power:</b>	4 AA Alkaline Cells or 4 AA Ni-Cd Cells Optional AC Adaptor, Ni-Cd Charger Available
<b>Size:</b>	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 <sub>2</sub> O-4C	0.00	138.40	0.08
cmH <sub>2</sub> O-4C	0.0	351.5	0.3
mmH <sub>2</sub> O-4C	0.0	3515.5	1.9
Kg/cm <sup>2</sup>	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 <sub>2</sub> O-4C	0.0	2768.0	1.4
cmH <sub>2</sub> O-4C	0	7030	4
mmH <sub>2</sub> O-4C	0.0	7030	45.15
Kg/cm <sup>2</sup>	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 <sub>2</sub> O-4C	0.0	830.4	0.5
cmH <sub>2</sub> O-4C	0.0	2109.0	1.2
mmH <sub>2</sub> O-4C	0	21090	12
Kg/cm <sup>2</sup>	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