



Martel Electronic's DPC-30 is a highly accurate, digital calibrator for pneumatic field instrumentation, including valve actuators; P/I transmitters; controllers, gauges, switches, and recorders. It is especially suitable for checking 3 to 15 PSI systems. Its dual precision regulators enable output of set and variable pressures to control devices, while the switching manifold allows fast selection among the pressure parts. The unit simultaneously displays pressure and either mA or VDC, and has a built-in loop power supply. Accuracy is  $\pm 0.05\%$  of full scale for all ranges.

## DPC-30 Pneumatic Calibration System

### Small, Lightweight, Accurate—Take Your Test Bench to the Field!

- Works with compressed plant air
- 0.001 PSI Resolution,  $\pm 0.05\%$  Accuracy
- Dual Digital Display: PSI & mA/V
- Gauge, Differential, and Vacuum Modes
- Selectable Engineering Units
- Rugged case to withstand factory floor environment

#### Each unit includes:

Test leads, AC adapter/charger, NIST Certificate, hard shell carrying case, and instruction manual

### Specifications

<b>Range:</b>	-5 to 30.000 PSI
<b>Engineering Units:</b>	mm H <sub>2</sub> O, kPa, BAR, kg/cm <sup>2</sup> , mm Hg, in H <sub>2</sub> O, mA, cm H <sub>2</sub> O, Volts
<b>Media Compatibility:</b>	Clean, non-corrosive gases
<b>Modes of Operation:</b>	Gauge, Differential, Vacuum (Vacuum to -5 PSI)
<b>Accuracy:</b>	$\pm 0.05\%$ F.S. $\pm 1$ LSD for pressure and electrical
<b>Loop Power:</b>	24 VDC
<b>Operating Range:</b>	0 to 50°C
<b>Temperature Coefficient:</b>	0.01% F.S./°C for temps. outside of 23°C $\pm 5^\circ\text{C}$
<b>Storage Temperature:</b>	-20 to 60°C
<b>Electrical Protection:</b>	Fuse, 1/8 Amp
<b>Power:</b>	Internal Ni-Cd Battery or AC adapter that simultaneously changes the battery and powers the unit
<b>Display:</b>	16 x 2 Line Dot Matrix
<b>Size/Weight:</b>	13 x 12 x 6" HWD/12 lbs.

### 30 PSI Sensor

Range	Min	Max	Accuracy ( $\pm 0.05\%$ F.S.)
PSI	-5.000	30.000	0.016
mmHg	-258.6	1551.3	0.9
Bar	-0.3448	2.0685	0.0011
KPa	-34.48	206.85	0.11
inH <sub>2</sub> O-4C	-138.4	831.9	0.5
cmH <sub>2</sub> O-4C	-351.5	2109.0	1.2
mmH <sub>2</sub> O-4C	-3515	21090	12
Kg/cm <sup>2</sup>	-0.3515	2.1090	0.0012

MODEL NO.	DESCRIPTION
DPC-30	Pneumatic Calibration System