

# CONDEC 3000

## Hand-Held Pressure Calibrator



Please refer to price pages for part numbers.

The compact CONDEC 3000 pressure calibrator weighs a little more than 1 lb for easy carrying, yet maintains rugged durability for outdoor use. This versatile instrument, when teamed with the CONDEC Source 3000 portable pressure source, offers a turnkey calibration solution.

CONDEC 3000 features two dual range high and low pressure models that measure inches of water to 3000 psi and vacuum. It measures milliamps, and provides an accuracy of 0.05% of reading.

In keeping with CONDEC's tradition of reliability, each instrument is tested and calibrated in an environmental chamber. This model also features a tough NEMA-4X ABS water-resistant sealed case, sealed membrane keypad, and stainless steel internal pressure sensors that are gas and liquid compatible. What's more, with the optional AC adapter/NI-CAD battery charger, the number of usable hours becomes limitless.



"106594 - NO TOOLS REQUIRED."

### Applications

- Boiler feed pressure
- Condenser vacuum
- Pneumatic system checks
- Biomedical quality assurance
- Pressure transfer standard
- Pressure transmitter, transducer & switch testing

### Standard Features

- Two dual range models standard (contact factory for additional models)
- 4 AA alkaline cells included, 20-hour continuous operation
- Ranges from vacuum to 3000 psi
- 0.05% of reading
- 0.025% measurement of 0-24 mA or 0-10V
- NIST Traceable Certificates provided
- RS-232 port standard
- Field carrying case and test leads included
- High-contrast Liquid Crystal Display (LCD)
- Multi-engineering units standard: psi, bar, in H<sub>2</sub>O (4° C, 20° C, 60° C), kPa, mPa, cmH<sub>2</sub>O (4° C, 20° C), ftH<sub>2</sub>O (4° C, 20° C), mH<sub>2</sub>O (4° C, 20° C), mmHg, kg/cm<sup>2</sup>, and mHg
- Built-in stainless steel sensor for gas and liquid compatibility
- Operating temperature 32° F to 122° F (0° C to 50° C)
- Built-in damping function
- Min/Max pressure readings
- Percent error displayed
- Built in 24V power supply to power unit under test

### Options/Accessories

- 81546.....CONDEC 3000 manual
- 55092.....Test lead cable assembly
- 81503.....120 VAC adapter/NI-CAD charger
- 81526.....220 VAC adapter/NI-CAD charger
- 81540.....RS-232 cable
- 82259.....Fuse replacement 1/8 A 2AG 250V
- 82061.....Additional carrying case
- 106594.....Test port quick-disconnect adjustable adapter assembly, male coupling body to 1/8 NPT swivel other end, 5000 PSI (for hands-free display reading when used between Source 3000 and CONDEC 3000 or CONDEC 3030)

**PRESSURE RANGES:**

- 1 to 5.000 psi (0-135" H<sub>2</sub>O)
- 5 to 30.000 psi (0-800" H<sub>2</sub>O)
- 5 to 100.00 psi
- 12 to 300.00 psi
- 12 to 3000.0 psi

**ACCURACY:**

- 5 psi ±0.05% of reading, ±0.001 psi
- 30 psi ±0.05% of reading, ±0.002 psi
- 100 psi ±0.05% of reading, ±0.02 psi
- 300 psi ±0.05% of reading, ±0.02 psi
- 3000 psi ±0.05% of reading, ±0.2 psi
- vacuum ±0.5 psi, all ranges

**ELECTRICAL RANGES:**

- 0 to 24.000 mA or 0 to 10.000 V
- Accuracy: ±0.025% of reading ± LSD; 18°C to 28°C

**INPUT PROTECTION:**

- 0.125 A fuse

**ENVIRONMENTAL TEMPERATURES:**

- Operating 0°C to 50°C
- Storage -20°C to +60°C

**TEMPERATURE STABILITY:**

- ±0.005% FS/°C for both pressure and electrical for temperature outside of 23°C ± 5°C

**MEDIA:**

- 5 PSI non-corrosive gases and liquids
- 30/100/300/3,000 PSI all gases and liquids compatible with 316 stainless steel and nickel-plated brass

**POWER REQUIREMENTS:**

- 4-AA alkaline or Ni-Cad cells; optional AC adaptor/charger available

**DIMENSIONS:**

- 7.5" H x 4.0"W x 1.5" D

**ACCESSORIES INCLUDED:**

- Test leads, carrying case, 4-AA alkaline batteries, NIST Certificate, and instruction manual

**WEIGHT:**

- 22.2 oz (629.4 g)