



Please refer to price pages for part numbers.

The compact CONDEC3000 pressure calibrator weighs less than 1 lb for easy carrying, yet maintains rugged durability for outdoor use. This versatile instrument, when teamed with the Source 3000 portable pressure source, offers a turnkey calibration solution.

CONDEC3000 features six dual range high and low pressure models that measure inches of water to 3000psi and vacuum. It measures milliamps, and provides an accuracy of 0.05% of reading. In keeping with the Condec tradition of reliability, each instrument is tested and calibrated in an environmental chamber. This intrinsically safe model also features a tough aluminum case, sealed membrane keypad, and stainless steel internal pressure sensors that are gas and liquid compatible. What's more, it's powered by a single 9V battery that provides more than 90 hours of continuous operation.

### Applications

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

### Standard Features

- Six models available
- 9V battery, 90-hour continuous operation
- Ranges from vacuum to 3000psi
- 0.05% of reading
- 0.025% measurement of 4-20 or 10-50 mA
- Intrinsically safe Class 1, Groups A, B, C and D
- N.I.S.T. Traceable Certificates provided
- RS-232 port standard
- Field carrying case included
- High-contrast super twist Liquid Crystal Display (LCD)
- Multi-engineering units standard: psi, bar, in H<sub>2</sub>O, kPa, mmH<sub>2</sub>O, mmHg, kg/cm<sup>2</sup>, mbar and Mpa
- Built-in stainless steel sensor for gas and liquid compatibility
- Temperature compensated from 32° F to 122° F (0° C to 50° C)

**LP (LOW) PRESSURE PORT:**

0 to full scale:  $\pm$  (0.05% of reading + 0.005% of full scale)  
 0 to -14.7 PSIG:  $\pm$  (0.25% of reading + 0.004 PSI)

**HP (HIGH) PRESSURE PORT:**

Accuracy:  $\pm$  (0.05% of reading + 0.005% of full scale)

**MEDIA COMPATIBILITY:**

Liquids and gases compatible with PTFE (Polytetrafluoroethylene) penetrated, hard anodized, aluminum transducer housing, 316 stainless steel (sensor), Viton® (O-ring). (Viton is a registered trademark of Dupont Dow Elastomers.)

Full Scale (PSIG)	Port	Displayed Over-Range (PSIG)	Maximum Pressure (PSIG)	Resolution/Scale
15	LP	18	100	0.01" H <sub>2</sub> O; 0.001 PSI; 0.01 kPa; 1 mmH <sub>2</sub> O; 0.01 mmHg; 0.001" Hg; 0.0001 kg/cm <sup>2</sup> ; 0.1 mbar
35	LP	18	100	0.01" H <sub>2</sub> O; 0.001 PSI; 0.01 kPa; 1 mmH <sub>2</sub> O; 0.01 mmHg; 0.001" Hg; 0.0001 kg/cm <sup>2</sup> ; 0.1 mbar
300	HP	330	450	0.1" H <sub>2</sub> O; 0.01 PSI; 0.1 kPa; 1 cmH <sub>2</sub> O; 0.1 mmHg; 0.01" Hg; 0.001 kg/cm <sup>2</sup> ; 0.001 bar
1500	HP	1650	4500	0.1 PSI; 0.01 bar; 1 kPa; 0.01 kg/cm <sup>2</sup> ; 0.001 Mpa
3000	HP	3300	4500	0.1 PSI; 0.01 bar; 1 kPa; 0.01 kg/cm <sup>2</sup> ; 0.001 Mpa

Standard factory calibration is 1" H<sub>2</sub>O @ 60° F = 0.036126 psi (1 psi = 27.71" of H<sub>2</sub>O). Specify at time of order if your required conversion is different from standard.

**OPERATING & COMPENSATED TEMPERATURE RANGE:**

32° F to 122° F (0° C to 50° C)

**STORAGE TEMPERATURE:**

-4°F to 158°F (-20° C to 70° C)

**ELECTRICAL:**

Range: 0 to 55mA  
 Resolution: 0.001mA  
 Accuracy:  $\pm$  (0.025% of reading + 0.001 mA)  
 Percentage conversion: 4 mA = 0.00%, 20 mA = 100.00% or 10 mA = 0.00%, 50 mA = 100.00%

**PRESSURE FITTING CONNECTION:**

1/8" female NPT

**ELECTRICAL CONNECTION:**

4mm jacks, 0.75" (19mm) spacing

**BATTERY:**

One 9V carbon or alkaline battery

**BATTERY LIFE:**

90 hours typical (alkaline battery)

**LOW BATTERY INDICATOR:**

Displayed battery icon

**ENCLOSURE:**

Extruded aluminum with single function sealed membrane keypad.

**DIMENSIONS:**

1 1/8" D x 2 3/4" W x 5 1/8" L  
 (29mm D x 70mm W x 130mm L)

**WEIGHT:**

382 g (13.5 oz)

**APPROVALS**

CE marked; CSA Intrinsically Safe, Entity - for hazardous locations Class 1, Groups A, B, C and D

**WARRANTY:**

One year limited warranty