



## PCS2000



### Features

- Range of 10,000 psi
- Accuracy better than +/- 0.03%
- History Log
- User programmable engineering units
- RS232 interface
- Compact, lightweight and portable

### Benefits

- Calibration checks of pressure sensors of all ranges
- Repeatable, reliable pressure calibrations
- Real time documentation and record keeping
- User selectable pressure units
- Serial communications available
- Easy to calibrate with in the lab or in the plant

### Description

The pressure calibration system, PCS2000, offers a quick, efficient and accurate means for checking pressure transducers and transmitters in the field. To perform a pressure transducer test, simply remove the transducer from the process, or the box, and install it in the pressure port on the PCS2000 manifold. Turn the PCS2000 on and select the engineering units required. Adjust the zero and pump the sensor to the desired pressure on the display. Then compare the pressure readout of the PCS2000 to the pressure sensor to verify the pressure sensor's accuracy.

### Specifications

#### PERFORMANCE CHARACTERISTICS

**Pressure Ranges:** 0 - 10,000 psi

**Engineering Units:** PSI, kPa, MPa, Bar, et. al.

**Accuracy:** +/- 0.03% FSO (10°C - 40°C)

**Temperature Effects on Accuracy:** +/- 0.001% FS/°C

**mA Input:** 0 - 30 mA (+/- 0.03% FSO @ 25°C)

**Voltage Input:** 0 - 15 Vdc (+/- 0.05% FSO @ 25°C)

**Temperature Effects on Inputs:** +/- 0.008%/°C

**History Log:** 30 sensors, 10 points each

**Over Pressure:** 1.5 X FSO

#### TEMPERATURE & MECHANICAL CHARACTERISTICS

**Electronics Operating Temperature:**

0°C to 50°C (32°F to 122°F)

**Mounting Torque:** Sensor dependant

**Standard Wetted Parts:** Hastelloy C-22

**Housing:** Anodized aluminum

**Pressure Media:** Oil

**Operating Time:** 35 Hours on batteries

**Weight:** 8.1 kg (17.9 lbs.)



## Ordering Guide

PCS2000 - Dynisco P/N 901717

### Adaptors Included:

- 1/2-20 UNF
- 1/8" NPT Male
- 1/8" NPT Female
- 1/4" NPT Female
- 3/8" NPT Female
- 1/2" NPT Female

