

# Advance Notice

Precision Pressure Calibrator  
CPC 8000

mentor

## CPC 8000 - Precision Pressure Controller



CPC 8000 Color Touch Screen Operator Interface



CPC 8000 Precision Pressure Calibrator

### Application

The CPC 8000 Precision Pressure Calibrator / Controller is designed to automate testing of pressure transmitters, pressure transducers, field pressure calibrators and pressure gauges and indicators of all kinds.

### Sensors & Control

Three removable / interchangeable sensors are available, with uncertainty from 0.01%FS, 0.01% IS-50 up to 0.008% IS-33. The three sensors, in combination with the control valve regulator, provide a wide dynamic range (10:1 FS) where the operator can choose to control using a single sensor or “auto range” control across all three sensors. The three sensor ranges can be chosen to optimize uncertainty levels. Full scale sensor ranges between 6000 psi and 10 inches of water are available, plus a removable barometric sensor. The percent of reading specification, plus a proprietary control valve regulator, provides accurate and stable control.

### User Interface

The high definition color touch screen and intuitive interface provides for easy control of the pressure output. Entry of set points and system setting becomes second nature through the user-friendly buttons and menus. In addition, the user programmable sequence function provides storage and automated control of standard test protocols.

### Remote Operation

Remote operation, via IEEE-488.2 (GPIB), Ethernet, RS-232 or USB and command set emulation of many non-Mensor devices, makes the CPC 8000 a valuable “drop-in” asset that can be used in production or calibration of pressure transmitters, transducers and instruments.

### Service & Calibration

The CPC 8000 can be supplied with an external “Calibration Sled” for remote calibration outside of the installed unit. Combined with its modular design, Mensor’s world class service and support, the CPA 8001 is the best solution to pressure calibration applications.

## Features

### Measurement and Control

- Total Uncertainty:
  - 0.008% IS-33
  - 0.01% IS-50
  - 0.01 FS
- Range: 0 ... 6000 psig
- Control stability: <0.001% of active sensor

### Special Features

- Three removable / interchangeable sensors
- Control valve regulator
- Removable / interchangeable barometric reference
- Touch screen user interface
- Optional vibrating quartz sensors

### Ease of Use

- Intuitive menu structure with color LCD touch screen display
- User defined Step/Jog function keys
- Multilingual menus
- Rack mount kit and bench top versions
- Leak test feature

### Communication

- USB or RS-232, IEEE-488.2 (GPIB), Ethernet

### Warranty

- Two year Warranty

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