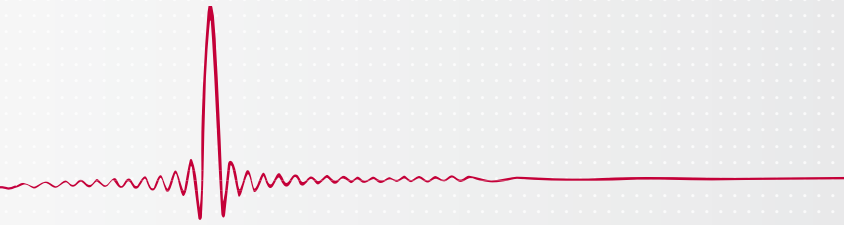


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Continue Description CPG2300

The user interface is through a monochrome 128 x 64 LCD, with white LED back light. A tactile membrane keypad makes navigation within the intuitive menu easy. Options to display range A and B, or range A or B and the analog measurement channel (mA), plus the ability to power a control loop make the CPG 6000 ideal for field calibration of pressure and differential pressure transmitters. Built in functionality to display min/max peak pressure and rate per second per hour and per three hour plus a null function give the 2300 additional functionality for trouble shooting process pressure transmitters or monitoring barometric pressure.

Accessories



Total Uncertainty is the combined uncertainties of all components of a measurement at the approximate 95% confidence level (K=2). Total uncertainty includes the uncertainties of the following: Calibration standard, repeatability, pressure hysteresis, creep, linearity, and temperature effects over the compensated temperature range.

The Mensor calibration laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 and also meets the requirements of ANSI/NCSL Z540-1:1994. Accreditation is by the American Association for Laboratory Accreditation (A2LA).

Since product innovation is a continuous process at Mensor, we reserve the right to change specifications without notice.

Specifications

Total Uncertainty	0.015% FS over compensated temperature range, 0-50°C for 180 days
Pressure Ranges	
Channel A:	0 to 0.36 up to 00-6000 psig; 0 to 7.5 up to 0 to 6000 psia
Channel B:	0 to 3 up to 0 to 500 psig; 0 to 7.5 up to 0 to 500 psia
Resolution	5 digits
Over Pressure Limits	1.5 x span
Storage	- 20 to 70°C
Warm-up	< 1 minute
Reading Rate	~4.6 / Second
Response Time	<252 mS
Orientation	Negligible > 30 psi, zero offset resettable with zero calibration or null function
Communications	RS-232, 9600 baud,N,8,1
Case size	T-Shaped, 8.6 inches High x 4.3 inches W x 1.6 inches D
Weight	1.5 lbs.
Media	
Pressure Port:	Ranges <3 psi: Clean dry non-corrosive gases. Ranges ≥ 3 psi: media compatible with aluminum, 316 SS, BunaN, Viton, silicone grease and RTV. (Not designed for oxygen service)
Reference Port:	Clean dry non-corrosive gases
Battery Life	20 hours
Recharge Time	8 hours max
Power input	+9 to +14.5 VDC, 500 mA max for battery recharge
Pressure Interfaces	1/4 inch FNPT, Reference Port: 1/16 inch hose barb
Warranty	One Year
Options	Carrying pouch - attaches to belt, Hand Pump, Relief valves (mounted externally)
Units	psi, inHg@0°C and 60°F, inH ₂ O@4°C, and 20°C, bar, mbar, mmHg@0°C, cmHg@0°C, hPa, kPa, Pa, MPa, Kg/cm ² , cmH ₂ O@4°C, cmH ₂ O@20°C, msw@0°C.
Display	Monochrome 128 x64 LCD, with white LCD back light
CE	Compliant to EN50081, EN50082, and EN61010-1

CPG2300 Portable Digital Pressure Gauge

Application

- Portable Field Calibration
- Calibration Labs
- Semiconductor manufactures
- Utilities
- Pharmaceutical / Medical / Health Care

Features

- 0.015% of Full Scale
- Dual Sensor
- Optional Loop Powered Milliamp Measurement
- Dynamic Temperature Compensation from 0-50°C
- Ranges from 10 Inches of Water to 6000 psi

Description

Applications

The CPG 2300 is used in diverse applications from rugged field calibration of pressure transmitters used in gas transmission, to testing and calibration of transducers in clean rooms and nuclear power plants. Wherever there is a need for a high level of accuracy in a handheld pressure calibration device.

Functional Flexibility

Mensor CPG 2300 Portable Digital Pressure Gauge boasts one of the best uncertainty specifications of any portable pressure calibration instrument. With an uncertainty of 0.015% FS, technicians are able to achieve the test uncertainty ratios required for modern transmitters. Temperature compensation from 0 to 50°C, permits use in most environments, without degradation of accuracy. 17 selectable pressure units and one user defined unit allows flexibility when calibrating.

The CPG 2300 Portable Digital Pressure Gauge can have one or two independent precision pressure sensors which can be displayed simultaneously. The single range model is designated CPG 2310 and the dual range model 2320. Channel A can be ordered with full scale ranges up to 6000 psi. Channel B can be ordered with ranges from 3 to 500 psig or 7.5 to 500 psia.

