Pressure Data Logger with LCD Display

OM-CP-PR2000

5 YEAR WARRANTY | **NIST** Optional | CE

- ✔ **Large, Backlit LCD Display**
- ✔ **Front Keypad w/Lock Feature**
- ✔ **Standard ¼" NPT Fitting**
- ✔ **High Speed Download**
- ✔ **Real-Time Operation**
- ✔ **User-Selectable Measurement Units**
- ✔ **NIST Traceable Calibration**
- ✔ **Min/Max and Average Statistics**
- ✔ **Programmable Start/Stop Time**
- ✔ **Convenient Status Indicators**
- ✔ **User Replaceable Battery and External Power**

OM-CP-PR2000-30-A, data logger shown larger than actual size

The OM-CP-PR2000 is a battery powered recorder with a LCD display. It is perfect for applications requiring display pressures readings and a logger.

The 8-button keypad and large LCD provide convenient access to current data and recorder setup. Additionally, memory and battery levels, external power status, and sampling and recording status are shown on the LCD.

Available on-screen data includes: statistics (min, max, average); recording status (start, stop and recording rate); display options (units, text size); and calibration information (date calibrated, date for recalibration). Statistics can be cleared at any time during logging.

With 262,143 readings, the OM-CP-PR2000 has one of the largest memory capacities of any similar data recorder on the market. The non-volatile memory will retain recorded data, even if AC and battery power are lost.

NIST traceable calibration is available for users needing to meet regulatory requirements. Creating permanent records, performing data calculations, and the graphing of data is quick and easy: Simply connect the interface cable to an available USB or serial port and, with a few clicks of the mouse, data is downloaded and ready for review or export to Excel.

Specifications

Pressure Sensor:
Semiconductor strain gage
Pressure Port:
¼ NPT, AISI 303 stainless steel
Pressure Range:
0 to 30, 100, 300 and 500 psia/g;
0 to 1000 and 5000 psia
Pressure Resolution: 0.002, 0.005, 0.02, 0.05 psia/g
Calibrated Accuracy:
2% FSR, 0.25% @ 25°C typical
Pressure Responce Time:
0.1 ms (10 to 90% FSR)

DOT-MATRIX LCD
Dimensions:
63 x 35 mm (2.5 x 1.375")
Text: Configurable channel text size
Indicators: Power, status, memory
Backlight: Configurable w/auto shut-off and contrast adjustment
Start/Stop Time: Software programmable start time and date, up to six months in advance; programmable stop time
Memory: 262,143 total readings; software configurable memory wrap
Reading Rate: 1 reading every 2 seconds to 1 every 24 hours

Calibration: Digital calibration through software
Calibration Date: Automatically recorded within device
Battery Type: 6 alkaline "AA" batteries (included), user replaceable; optional ac adaptor
Battery Life: 1 year battery life at 1 min reading rate with display off. 30 days typical with continuous LCD and no backlight usage.
Data Format: PSIG, inHg, mmHg, bar, atm, Torr, Pa, kPa, MPa
Time Accuracy: ±1 minute/month (at 20° to 30°C)
Computer Interface: PC serial or USB (interface cable required); 115,200 baud
Software: XP SP3/Vista/7 and 8 (32-bit and 64-bit)
Operating Environment:
-20 to 54°C, (-4 to 129°F)
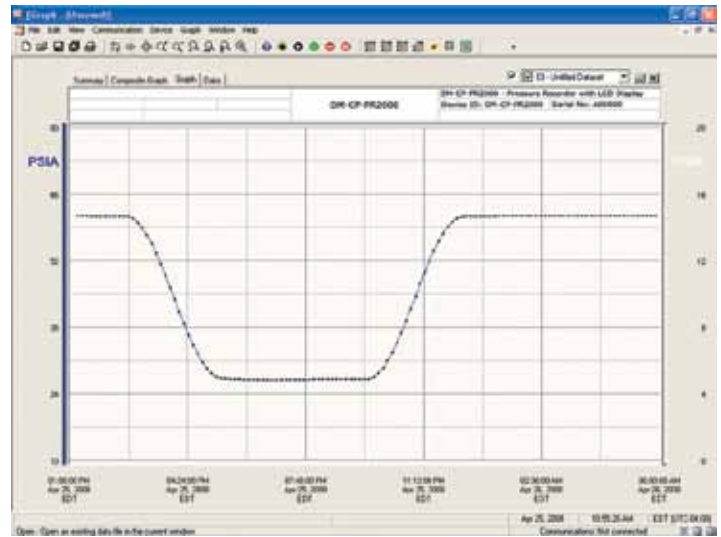0 to 95% RH non-condensing
Dimensions:
122 L x 84 W x 32 mm Dia
(5.1 x 4.8 x 1.78")
Weight: 1134 g (40 oz)
Enclosure: Black anodized aluminum case/NPT steel

OM-CP-PR2000-30-A,
data logger shown
larger than actual size

OM-CP-IFC200,
Windows® software
displays data in
graphical or tabular
format

To Order

Model No.	Description
OM-CP-PR2000-30-A	0 to 30 psia pressure data logger with LCD display
OM-CP-PR2000-30-G	0 to 30 psig pressure data logger with LCD display
OM-CP-PR2000-100-A	0 to 100 psia pressure data logger with LCD display
OM-CP-PR2000-100-G	0 to 100 psig pressure data logger with LCD display
OM-CP-PR2000-300-A	0 to 300 psia pressure data logger with LCD display
OM-CP-PR2000-300-G	0 to 300 psig pressure data logger with LCD display
OM-CP-PR2000-500-A	0 to 500 psia pressure data logger with LCD display
OM-CP-PR2000-500-G	0 to 500 psig pressure data logger with LCD display
OM-CP-PR2000-1000-A	0 to 1000 psia pressure data logger with LCD display
OM-CP-PR2000-5000-A	0 to 5000 psia pressure data logger with LCD display
OM-CP-IFC200	Windows software and 1.8 m (6') USB interface cable
OM-CP-SVP-SYSTEM	FDA 21 CFR part 11 compliant IQ/OQ/PQ secure software validation workbook and software package (unlimited users, license per computer)
OM-CP-110-PWR-2000	110 Vac power adaptor
OM-CP-220-PWR-2000	220 Vac power adaptor

*Comes complete with 6 "AA" batteries. Operator's manual and USB cable are included with the **OM-CP-IFC200** (software is required to operate the data logger and is sold separately).*

*To order data logger with NIST calibration certificate, add suffix **"-CERT"** to model number and add additional cost to price.*

***Ordering Example: OM-CP-PR2000-30-A-CERT,** pressure data logger with NIST calibration certificate, **OM-CP-IFC200,** Windows software and USB interface cable with DB9F termination.*