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OM-CP-PR2000 Pressure Data Logger with LCD

Product Notes

The OM-CP-PR2000 is a pressure data logger with LCD display. The device features an IP rating of 65, which means it is dust proof, and splash proof making it available to be used outdoors. The convenient LCD provides access to the current pressure reading, as well as minimum, maximum and average statistics. A trending graph is also displayed of the last 100 readings. For additional information refer to your OM-CP-PR2000 manual and "Data Logger & Software Operating Manual".

Backlight

The backlight uses a significant amount of battery life. Refer to the manual to configure the auto shut-off when not in use.

Submergibility

The OM-CP-PR2000 is rated IP65, which means it is dust tight and can withstand water jets.

Set Password

To password protect the device so that others cannot start, stop or reset the device:

- Click Identify Device and Read Status, then select the Device Detail Tab.
- Choose Set Password.
- Enter and confirm the password and click OK

Device Maintenance

Battery Replacement

Materials:

9/64" HEX Driver (Allen Key) and Replacement Batteries (Six AA)

- Remove the back cover from the device by unscrewing the four screws.
- Remove the batteries from the compartment.
- Insert the new batteries as indicated by the diagram on the battery holder.
- Replace the cover taking care not to pinch the wires. Screw the enclosure back together securely.

Note: Be sure not to over tighten the screws or strip the threads.

Installation Guide

Installing the Interface cable

- OM-CP-IFC200: Insert the Software CD in the CD-ROM Drive. If the autorun does not appear, locate the drive on the computer and double click on Autorun.exe. Click on Drivers and Third Party Tools, then Install USB Interface Drivers. Click Install to install the USB drivers. Plug the OM-CP-IFC200 cable into an available USB port on the computer.

Installing the software

Insert the Software CD in the CD Drive. If the autorun does not appear, locate the drive on the computer and double click Autorun.exe. Follow the instructions in the Wizard.

Connecting the data logger

- Once the software is installed and running, plug the interface cable into the data logger.
- Click the Communication Menu, then Auto Configure Port.
- After a moment, a box will appear stating that a device has been found.
- Click OK. The Device Status box will appear. Click OK.
- At this point, communications have been configured for your logger. These settings can be found under the Communication Menu.

Note: For additional installation instructions refer to your "Data Logger & Software Operating Manual".

Device Operation

Starting the data logger

- Click Device Menu then Start Device.
- Choose the desired start method.
- Choose the start parameters by selecting a Reading Rate suitable for your application.
- Enter in any other desired parameters and click Start.
- A box will appear stating the data logger has been started. Click OK.
- Disconnect the data logger from the interface cable and place it in the environment to measure.

Note: The device will stop recording data when the end of memory is reached or the device is stopped. At this point the device cannot be restarted until it has been re-armed by the computer.

Downloading data from a data logger

- Connect the data logger to the interface cable.
- Click the Device Menu then Read Device Data. This will offload all recorded data onto the PC.



Part Number	OM-CP-PR2000
Pressure Sensor	Semiconductor (strain guage)
Pressure Range	
Pressure Resolution	*See Table Below
Pressure Accuracy	
Memory	262,143
Sampling Rate	2 seconds to 24 hours
Required Interface Package	OM-CP-IFC200
Baud Rate	115,200
Typical Battery Type	6 Alkaline AA Batteries
Operating Environment	-20°C to 60°C (-4°F to 140°F), 0%RH to 95%RH (non-condensing)
Material	Black anodized aluminum and 303 stainless steel NPT process connection
Dimensions	5.1" x 4.8" x 1.78" (130mm x 122mm x 45mm)
Approvals	CE

* OM-CP-PR2000 Pressure Range, Resolution and Accuracy

Range (PSI)	0-30	0-100	0-300	0-500	0-1000	0-5000
Resolution	2% FSR, 0.25% @ 25°C typical					
Accuracy (PSI)	0.002	0.005	0.02	0.05	0.05	0.2

Battery Warning

WARNING: DISCARD USED BATTERY PROMPTLY. KEEP OUT OF REACH OF CHILDREN. DO NOT DISPOSE OF IN FIRE, RECHARGE, PUT IN BACKWARDS, DISASSEMBLE, OR MIX WITH OTHER BATTERY TYPES. MAY EXPLODE, FLAME, OR LEAK AND CAUSE PERSONAL INJURY.



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2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

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