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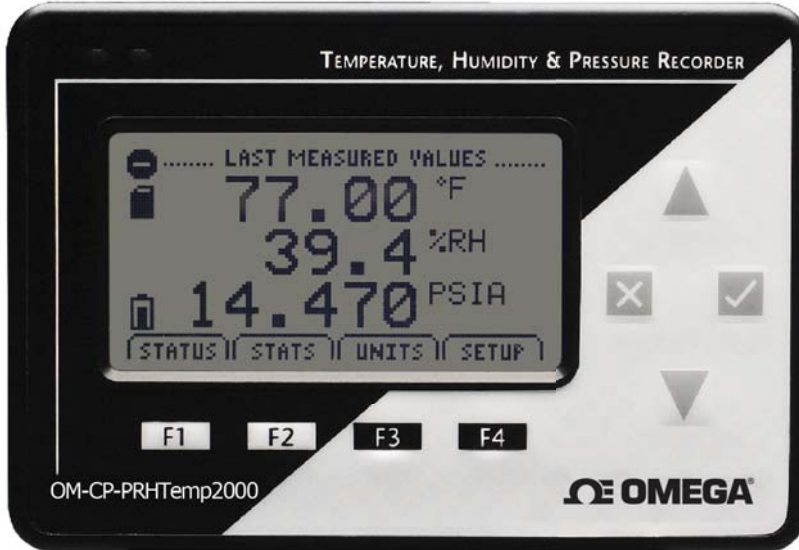
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OM-CP-PRHTemp2000

Pressure, Humidity and Temperature Data Logger with LCD

Product Notes

The OM-CP-PRHTemp2000 is a pressure, temperature and humidity data logger with LCD display. The convenient LCD provides access to the current pressure, temperature and humidity readings, as well as minimum, maximum and average statistics.

For additional information refer to your OM-CP-PRHTemp2000 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.

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:

3/32" HEX Driver (Allen Key) and a Replacement Battery (OM-CP-BAT103)

- Remove the back cover from the device by unscrewing the four screws.
- Remove the battery from its compartment and unsnap it from the connector.
- Snap the new battery into the terminals and verify it is secure.
- 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-PRHTemp2000
Temperature Sensor	Semiconductor
Temperature Range	-20°C to +60°C (-4°F to +140°F)
Temperature Resolution	0.1°C (0.18°F)
Calibrated Accuracy	±0.5°C/±0.9°F (0°C to 50°C/32°F to 122°F)
Pressure Sensor	Semiconductor (Strain Gauge)
Pressure Range	0 to 30 PSIA
Pressure Resolution	0.002PSIA
Calibrated Accuracy	±1.0%FSR; 0.25% at 25°C
Humidity Sensor	Internal Semiconductor
Humidity Range	0%RH to 95%RH
Humidity Resolution	0.1%RH
Calibrated Accuracy	±3%RH (2%RH @ 25°C Typical)
Memory	87,381/channel
Sample Rate	2 seconds to 24 hours
Required Interface Package	OM-CP-IFC200
Baud Rate	115,200
Typical Battery Life	1 year with display off, 30 days with continuous LCD and no backlight
Operating Environment	-20 to +60°C (-4°F to +140°F), 0%RH to 95%RH (non-condensing)
Material	Black anodized aluminum
Dimensions	4.8" x 3.3" x 1.25" (122mm x 84mm x 32mm)
Approvals	CE

Battery Warning

WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, DISASSEMBLE, CRUSH, PENETRATE OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 60°C (140°F).



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WARNING: These products are not designed for use in, and should not be used for, human applications.



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If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

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