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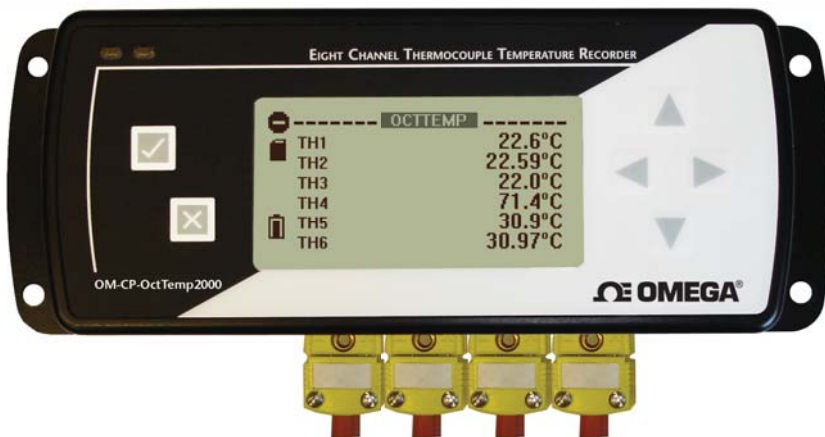
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# OM-CP-OctTemp2000

## 8-Channel Thermocouple Based Temperature Data Logger with LCD

## Product Notes

Please refer to the OM-CP-OctTemp2000 Product Manual for full details on how to enable, disable and name thermocouple channels, configure the LCD and more.

### Programming Thermocouple Type

To change the thermocouple type in the Omega software:

- Select Thermocouple Type from the Device Menu.
- Click on the Change button in the Thermocouple Type window.
- Select the correct thermocouple type from the drop down list.
- Click on the Save button to store the thermocouple type in the device.
- Click OK. *Please note that the same thermocouple type must be used on all of the channels.*

### 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

### LED Function

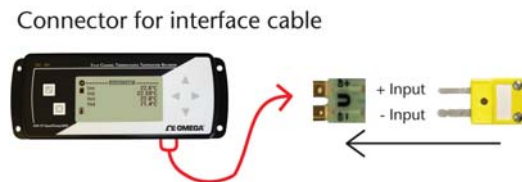
Green LED - Blinks to indicate that the device is armed and/or running. Blinks when confirming or scrolling through keypad options.

Red LED - Blinks to indicate low battery or low memory.

Blue LED on Thermocouple channels - Blinks at the reading rate (but no more than once every other second).

## Wiring the Data Logger

The SMP connections allow the user to insert subminiature thermocouple plugs into the connectors on the device. The diagram below shows how to connect the individual thermocouples for each of the devices.



## 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-OctTemp2000
Internal Channel Temperature Sensor	Semiconductor
Internal Channel Temperature Resolution	0.05°C
Internal Channel Accuracy	±0.5°C
Remote Channel Temperature Sensor Range, Resolution & Accuracy	*See Table for Details
Cold Jct. Compensation	Automatic
Channels	8 internal & 8 remote
Memory	500,000/channel
Sample Rate	4Hz up to 24 hours
Required Interface Package	OM-CP-IFC200
Baud Rate	115,200
Typical Battery Life	18 month battery life with display off. 3 months typical with continuous display use.
Operating Environment	-20 to +60°C, 0 to 95%RH (non-condensing)
Material	Anodized aluminum
Dimensions	7.24" x 2.7" x 1.39" (183mm x 68mm x 36mm)
Approvals	CE

\* Remote Channel Range, Resolution & Accuracy

Thermocouple	Range (°C)	Resolution	Accuracy
J	-210 to +760	0.1°C	±0.5°C
K	-260 to +1370	0.1°C	±0.5°C
T	-260 to +400	0.1°C	±0.5°C
E	-260 to +980	0.1°C	±0.5°C
R	-50 to +1760	0.5°C	±2.0°C
S	-50 to +1760	0.5°C	±2.0°C
B	+60 to +1820	0.5°C	±2.0°C
N	-260 to +1300	0.1°C	±0.5°C

**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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