

8-Channel Temperature Data Logger

Part of the NOMAD® Family



OM-CP-OCTTEMP



£670
Basic Unit

- ✓ Automatic Cold Junction Compensation
- ✓ Programmable Start Time
- ✓ 8 Thermocouple Channels and 1 Ambient
- ✓ User Calibration Through Software
- ✓ Automatic Thermocouple Linearisation
- ✓ Miniature Size
- ✓ Real-Time Operation

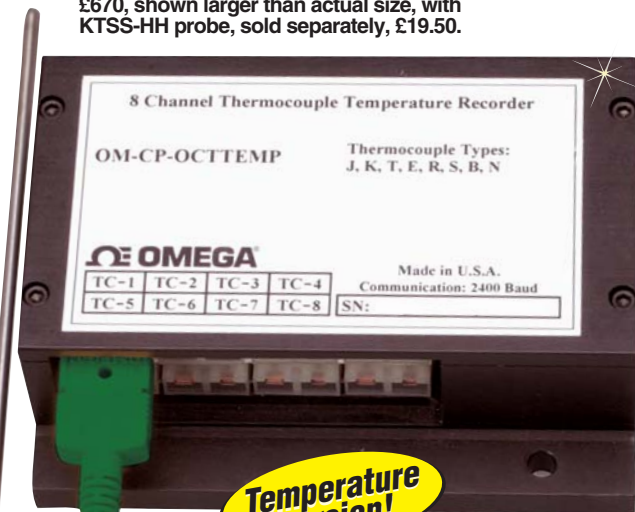
The OM-CP-OCTTEMP is an 8-channel, battery-powered, standalone, thermocouple-based temperature data logger. This all-in-one compact, portable, easy to use device will measure and record up to 14,563 temperature measurements per channel. The OM-CP-OCTTEMP is a major leap forward in both size and performance. Its real-time clock ensures that all data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The data logger's small size allows it to fit almost anywhere. Data retrieval is simple. Plug it into an available COM port and our easy-to-use software does the rest. The software converts your PC into a real-time strip chart recorder. Data can be printed in graphical and tabular format and can be exported to a text or Microsoft file.

Specifications

Internal Channel: 1
Temperature Accuracy: $\pm 0.5^{\circ}\text{C}$ (0 to 50°C)
Temperature Resolution: 0.1°C
Temperature Range: -40 to 80°C (-40 to 176°F)
Thermocouple Channels: 8
Thermocouple Input Types: J, K, T, E, R, S, B, N
Thermocouple Connection: Subminiature female jack
Cold Junction Compensation: Automatic
External Thermocouple Channel Accuracy* (Uniform 20°C Internal Temperature):
 J, K, T, E: $\pm 0.5^{\circ}\text{C}$; R, S, B, N: $\pm 2.5^{\circ}\text{C}$
Resolution: J, K, T, E: 0.1°C ; R, S, B, N: 0.5°C
Temperature Measurement Range:
 Type J: -210 to 760°C ; K: -270 to 1370°C ;
 T: -270 to 400°C ; E: -270 to 980°C ; R: -50 to 1760°C ;
 S: -50 to 1760°C ; B: 50 to 1820°C ; N: -270 to 1300°C

* Accuracy does not include errors due to thermocouple.

OM-CP-OCTTEMP data logger, £670, shown larger than actual size, with KTSS-HH probe, sold separately, £19.50.



Temperature version!

Plug in up to 8 probes

Memory: 14,563 readings/channel

Temperature Calibration: Digital calibration is available through software

Calibration Date: Automatically recorded within device to alert user when calibration is required

Recording Interval: 5 seconds to 12 hours selectable in software

Start Time: Start time and date are programmable through software

Real-Time Recording: Device can be used with PC to monitor and record data in real time

Power: 9 V lithium battery included

Battery Life: 1 year typical

Time Accuracy: ± 1 minute/month when RS-232 port is not in use

Data Format: Date and time stamped; $^{\circ}\text{C}$, $^{\circ}\text{F}$, $^{\circ}\text{K}$, $^{\circ}\text{R}$, mV

Computer Interface: PC serial, RS-232C COM or USB (interface cable required)

Software: Windows 95/98/NT/2000/XP

Operating Environment:

-40 to 80°C (-40 to 176°F)

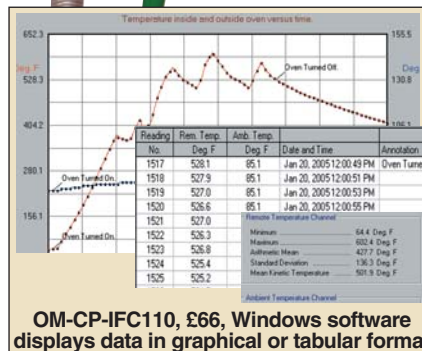
5 to 95% RH non-condensing

Dimensions:

38 H x 111 W x 89 mm D (1.5 x 4.4 x 3.5")

Weight: 450 g (16 oz)

Material: Black anodised aluminium



OM-CP-IFC110, £66, Windows software displays data in graphical or tabular format

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-OCTTEMP	£670.00	8-channel, thermocouple-based temperature data logger
OM-CP-OCTTEMP-CERT	710.00	8-channel, thermocouple-based temperature data logger with calibration certificate
OM-CP-IFC110	66.00	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC200	80.00	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT103	13.50	Replacement 9 V lithium battery
CS-3791	101.00	Reference Book: Standard Handbook of Electronics Engineering

Operator's manual and RS-232 cable are included with the OM-CP-IFC110 Windows software (required to operate the data logger) is sold separately. **Ordering Example:** OM-CP-OCTTEMP-CERT, 8-channel, thermocouple-based temperature data logger with calibration certificate, OM-CP-IFC110, Windows software and RS-232 cable, £710 + 66 = £776.





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