

8-Channel Temperature Data Logger

Part of the NOMAD[®] Family



DATA ACQUISITION

OM-CP-OCTTEMP



£670
Basic Unit

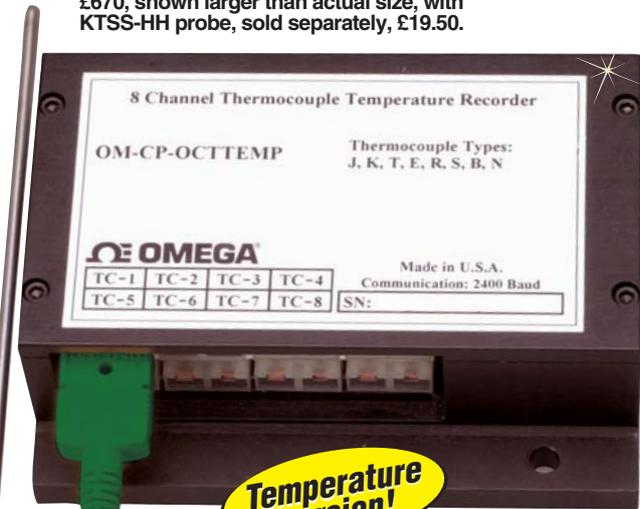
- ✓ Automatic Cold Junction Compensation
- ✓ Programmable Start Time
- ✓ 8 Thermocouple Channels and 1 Ambient
- ✓ User Calibration Through Software
- ✓ Automatic Thermocouple Linearisation
- ✓ Miniature Size
- ✓ Real-Time Operation

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: ±0.5°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: ±0.5°C; R, S, B, N: ±2.5°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

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



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; °C, °F, °K, °R, mV
Computer Interface: PC serial, RS-232C COM or USB (interface cable required)



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

* Accuracy does not include errors due to thermocouple.

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 interace 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.



UNITED STATES

www.omega.com

1-800-TC-OMEGA

Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)

1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenpfronn, Germany

0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England

0800-488-488

FRANCE

www.omega.fr

088-466-342

CZECH REPUBLIC

www.omegaeng.cz

Karviná, Czech Republic

596-311-899

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters