

OM-CP-QUADTEMP 4-Channel Temperature Data Logger

Part of the NOMAD® Family

OM-CP-QUADTEMP, \$599, shown larger than actual size

Starts at
\$599



- ✓ 4 Thermocouple Channels and 1 Ambient Channel
- ✓ Real Time Operation
- ✓ Programmable Start Time
- ✓ Automatic Cold Junction Compensation and Linearization

KTSS-HH, \$29, probe sold separately,

The OM-CP-QUADTEMP is a 4 channel, battery powered, stand-alone, thermocouple based temperature data logger. This all-in-one compact, portable, easy to use device will measure and record up to 122,000 temperature measurements (24,575 readings per channel). The OM-CP-QUADTEMP 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 nonvolatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple. Plug it into an available COM port and the easy to use Windows software does the rest. The software converts your PC into a real time strip chart recorder. Data can be printed in graphical or tabular format and can also be exported to a text or Microsoft Excel file.

Specifications

INTERNAL CHANNEL TEMPERATURE SENSOR

Calibrated Accuracy: $\pm 0.5^{\circ}\text{C}$ (0 to 50°C) $\pm 0.9^{\circ}\text{F}$ (32 to 122°F)

Temperature Resolution: 0.1°C

Temperature Range: -20 to 60°C (-4 to 140°F)

External Thermocouple Channel Accuracy*: (uniform 20°C internal temperature):

J, K, T, E: $\pm 0.5^{\circ}\text{C}$; R, S, B, N: $\pm 2.5^{\circ}\text{C}$

Calibrated Accuracy*: $\pm 0.5^{\circ}\text{C}$

Temperature Resolution:

0.1°C for types J,K,T,E; 0.5°C for types R,S,B

Thermocouple Connection:

Female subminiature connectors

Thermocouple Range Type:

J: -210 to 760°C (-346 to 1400°F)

K: -270 to 1370°C (-454 to 2498°F)

T: -270 to 400°C (-454 to 752°F)

E: -270 to 980°C (-454 to 1796°F)

R: -50 to 1760°C (-58 to 3200°F)

S: -50 to 1760°C (-58 to 3200°F)

B: 50 to 1820°C (122 to 3308°F)

N: -270 to 1300°C (-454 to 2372°F)



Plug in up to 4 probes

GENERAL SPECIFICATIONS

Temperature Calibration:

Digital calibration is available through software

Recording Interval:

12/min to 1/day selectable in software

Start Time:

Start time and date are programmable through software

Real Time Recording:

Device may be used with PC to monitor and record data in real time

Power:

9 V lithium battery (included); 120 Vac power optional

Battery Life:

1 year typical

Time Accuracy:

± 1 min/month when RS-232C port is not in use

Data Format:

Date and time stamped, $^{\circ}\text{C}$, $^{\circ}\text{F}$, $^{\circ}\text{K}$, $^{\circ}\text{R}$

Weight:

370 g (13 oz)

Computer Interface:

PC serial, USB or RS-232C COM

Software:

WIN98/NT/2000/XP/VISTA 32-bit/7(32-bit); (VISTA/7 32-bit version only; VISTA/7 64-bit are not supported)

Operating Environment:

-20 to 60°C (-4 to 140°F), 5 to 95% RH non-condensing

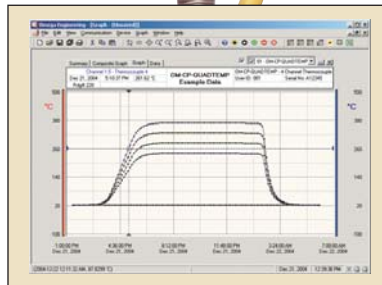
Dimensions:

81 H x 115 W x 28 mm D (3.2 x 4.5 x 1.1")

Material:

Black anodized aluminum

*Accuracy does not include errors due to thermocouple



OM-CP-IFC110, \$99, Windows software displays data in graphical or tabular format.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-QUADTEMP	\$599	4-channel temperature data logger
OM-CP-QUADTEMP-CERT	659	4-channel temperature data logger with NIST calibration certificate
OM-CP-IFC110	99	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC200	119	Windows software and 3.7 m (12') USB interface cable
OMP-CP-BAT103	20	Replacement 9 V lithium battery

Operator's manual and RS-232 cable are included with the OM-CP-IFC110 Windows software and RS-232 cable (software is required to operate the data logger and is sold separately). To order data loggers with optional 120 Vac power, add suffix "-AC" to model number and add \$100 to price. **Ordering Example: OM-CP-QUADTEMP-CERT 4 channel temperature data logger with NIST calibration certificate and OM-CP-IFC110 Windows software and RS-232 cable, \$659 + 99 = \$758.**



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