



4-Channel Oven Temperature Data Logger Part of the NOMAD® Family

OM-CP-QUADTHERMOVAULT

\$1499



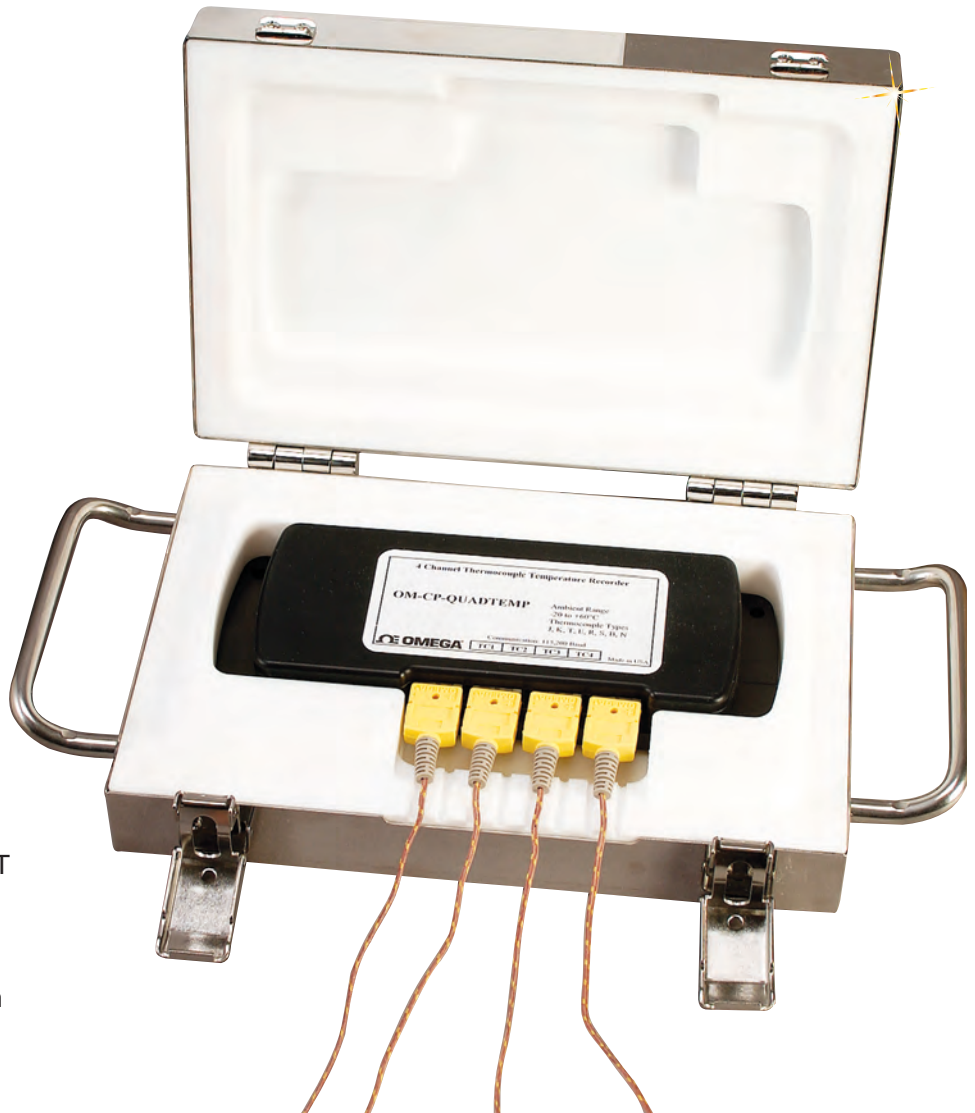
- ✓ 4 Thermocouple Input Channels
- ✓ Programmable Start Time
- ✓ Reusable
- ✓ Miniature Size
- ✓ Automatic Cold Junction Compensation
- ✓ Record Short Thermal Profiling Events

Oven temperature profiling can help ensure that a quality product is consistently produced. Profiling enables users to optimize their process, prove process control and make corrections to a process when required.

The OM-CP-QUADTHERMOVAULT is a four channel thermally insulated, battery powered, oven temperature recorder able to withstand extreme temperatures. It can withstand oven temperatures of up to 350°C (662°F) for up to 25 minutes when properly sealed. Its stainless steel enclosure and thermal properties lend itself to be the ideal temperature recording device for applications such as powder coating cure ovens, wet coating cure ovens, batch ovens and conveyor ovens.

The external thermocouple probes provide accurate temperature measurements, with fast response times. Our user-friendly software easily downloads the data to a computer, where the readings may be displayed in degrees Celsius, degrees Fahrenheit, Kelvin or Rankine.

The software allows the user to view all data points or a range of data points and a summary of the data being viewed for calculations such as Mean Kinetic Temperature (MKT).



OM-CP-QUADTHERMOVAULT, \$1499, shown smaller than actual size. (Includes four type K thermocouples).

If additional analysis is needed, the data can be exported to Excel simply by clicking a button. The OM-CP-QUADTHERMOVAULT'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. Data can be printed in graphical or tabular format or it can be exported to a text or Microsoft Excel file.

Specifications
INTERNAL CHANNEL
Temperature Range: -20 to 60°C (-4 to 140°F)
Temperature Resolution: 0.05°C
Calibrated Accuracy: ±0.5°C (0 to 50°C)

FOUR REMOTE CHANNELS

Thermocouple Types:

J, K, T, E, R, S, B, N

Thermocouple Connection:

Female subminiature (SMP)

Cold Junction Compensation:

Automatic, based on internal channel

Start Modes: Software programmable immediate start or delay start up to six months in advance

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

Memory: 500,000 readings per channel, channels can be disabled to increase memory

Reading Interval: 4 readings per second up to 1 every 24 hours
Calibration: Digital calibration through software
Calibration Date: Automatically recorded within device
Battery Type: 9V lithium or alkaline battery (included), user replaceable
Battery Life: 18 months typical
Data Format: Date and time stamped; °C, °F, °K, °R, μV, mV, V
Time Accuracy: ±1 minute/month (at 20°C, RS-232 port not in use)
Computer Interface: PC serial, RS-232C COM or USB (interface cable required); 115,200 baud
Software: XP SP3/Vista and 7 (32-bit and 64-bit)

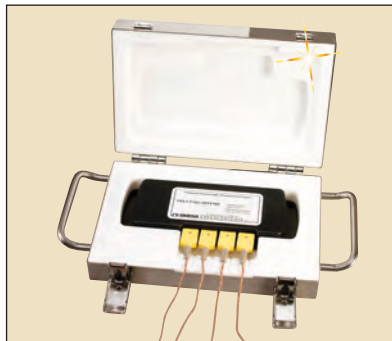
OM-CP-IFC200, \$129, Windows software displays data in graphical or tabular format

OPERATING ENVIRONMENT:
OM-CP-QUADTHERMOVAULT System: -20 to 350°C (see table for temperature vs. duration) 0 to 95% RH non-condensing
Internal OM-CP-QUADTEMP-A Data Logger: -20 to 55°C, 0 to 95% RH non-condensing
Dimensions: 231 H x 149 L x 62 mm D (9.1 x 5.9 x 2.45")
Weight: 4.01 kg (8.85 lbs)
Enclosure (Thermal Box): Thermal insulators encased in stainless steel
Enclosure (Logger): Black Delrin®

Thermocouple Type	Range	Resolution	Accuracy*
J	-210 to 760°C	0.1°C	±0.5°C
K	-270 to 1370°C	0.1°C	±0.5°C
T	-270 to 400°C	0.1°C	±0.5°C
E	-270 to 980°C	0.1°C	±0.5°C
R	-50 to 1760°C	0.5°C	±2.0°C
S	-50 to 1760°C	0.5°C	±2.0°C
B	50 to 1820°C	0.5°C	±2.0°C
N	-270 to 1300°C	0.1°C	±0.5°C

* Accuracy does not include errors due to thermocouple.

OM-CP-QUADTHERMOVAULT data logger, \$1499, shown smaller than actual size. Includes four Type K thermocouples).



Maximum Exposure Temperature vs Duration	
Ambient Temp °C (°F)	Max Duration in Minutes**
100 (212)	110
150 (302)	62
200 (392)	45
250 (482)	35
260 (500)	34
300 (572)	30
350 (662)	25

** Assuming logger box is initially at 25°C.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-QUADTHERMOVAULT	\$1499	Oven temperature data logger
OM-CP-QUADTHERMOVAULT-CERT	1559	Oven temperature data logger with NIST calibration certificate
OM-CP-IFC200	129	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT103	25	Replacement 9V lithium battery
5SRTC-GG-K-24-72	58	Extra type K thermocouples, glass braid insulation, 24 AWG, 72 inch length, 5-pack

Comes complete with 3.6V lithium battery. Operator's manual and USB interface cable are included with the OM-CP-IFC200 software/cable package (required for data logger operation, sold separately).

OM-CP-QUADTHERMOVAULT includes 4 type K thermocouples, (glass braid insulation, 24 AWG, 72" length).

Ordering Example: OM-CP-QUADTHERMOVAULT-CERT, oven temperature data logger with NIST calibration certificate, OM-CP-IFC200, Windows software and USB cable, \$1559 + 129 = \$1688.



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