



**Thermocouple Data Logger with Extended Memory
Part of the NOMAD® Family**

OM-CP-TC110-2MB
Starts at

\$299



OM-CP-TC110-2MB data logger, \$299, shown larger than actual size.

- ✓ Wide Temperature Range
- ✓ Accepts Thermocouple Types J, K, T, E, R, S, B, N
- ✓ High Speed Download
- ✓ NIST Traceable
- ✓ Real-Time Operation
- ✓ Programmable Start Time
- ✓ Miniature Size

The OM-CP-TC110-2MB is a miniature, battery powered, stand alone, thermocouple based temperature data logger.

The OM-CP-TC110-2MB features a real-time clock module that extends the battery life to >2 years and allows for high speed downloads.

This is an all-in-one compact, portable, easy to use device that will measure and record up to 262,144 measurements per channel.

The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere.

The OM-CP-TC110-2MB makes data retrieval quick and easy. Simply plug it into an empty COM or USB port and our user-friendly software does the rest.

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.

Specifications

INTERNAL CHANNEL

Temperature Range:

-40 to 80°C (-40 to 176°F)

Temperature Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C (0 to 50°C)

REMOTE CHANNEL

Thermocouple Types:

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

Thermocouple Connection:

Female subminiature (SMP)

Cold Junction Compensation:

Automatic, based on internal channel

Maximum Thermocouple

Resistance: 1000Ω, <100Ω recommended

Start Time: 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: 262,144 readings per channel for a total of 524,288 readings; software configurable memory wrap

Reading Rate: 1 reading every 2 seconds to 1 every 24 hours

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

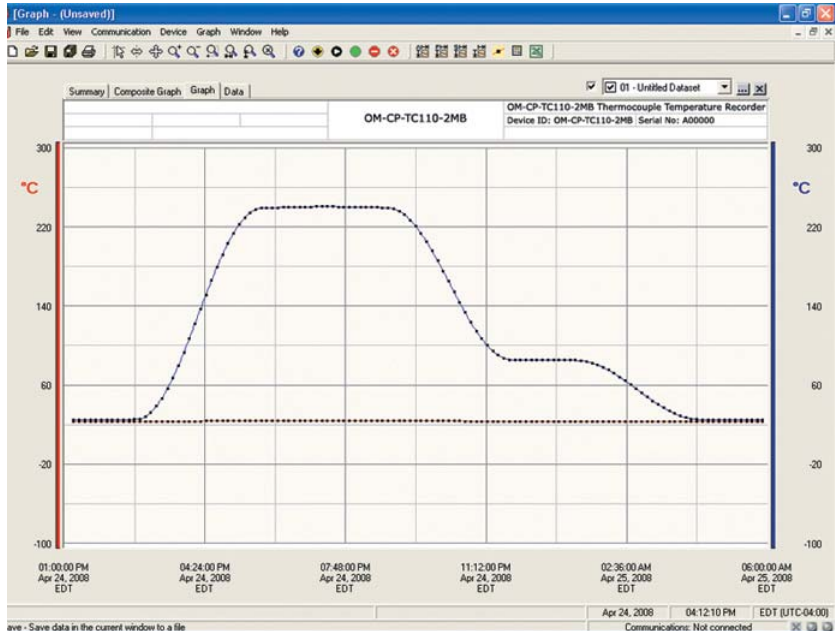
Battery Type: 3.6 V lithium battery (included), user replaceable

Battery Life: 2 years (5 minute reading rate at 25°C)

Data Format: Date and time stamped °C, °F, K, °R

Time Accuracy: ±1 minute/month (at 20 to 30°C)

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



Computer Interface: PC serial or USB (interface cable required); 57,600 baud
Software: Windows 98/ME/NT/2000/XP/VISTA
Operating Environment: -40 to 80°C (-40 to 176°F)
 0 to 95%RH non-condensing
Dimensions: 44 x 59 x 21 mm (1.7 x 2.3 x 0.8")
Weight: 35 g (1.3 oz)

5SRTC/5LRTC Series starts at \$48/5 pk, see omega.com for details.



OM-CP-TC110-2MB, data logger, \$299, shown actual size.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-TC110-2MB	\$299	Thermocouple data logger with extended memory
OM-CP-TC110-2MB-CERT	359	Thermocouple data logger with extended memory and 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
OM-CP-BAT105	12	Replacement 3.6 V lithium battery

Comes with complete operator's manual, 3V lithium battery and RS-232 cable. The OM-CP-IFC110 Windows software includes required RS-232 to operate the data logger (sold separately).

Ordering Example: OM-CP-TC110-2MB-CERT, thermocouple recorder with NIST calibration certificate and OM-CP-IFC110, Windows software, \$359 + 99 = \$458.



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