

OM-CP-TCTEMP1000 Rugged, Submersible Thermocouple Recorder Part of the NOMAD® Family

\$299



Basic Unit

- ✓ Rugged and Submersible
- ✓ Dual Channel Ambient and Remote Temperature
- ✓ Real-Time Operation
- ✓ Automatically Converts Your PC Into a Strip Chart Recorder
- ✓ Automatic Thermocouple Linearization
- ✓ Memory Wrap Around
- ✓ Programmable Start Time

The OM-CP-TCTEMP1000 is a rugged, waterproof, battery powered, thermocouple based temperature recorder. This is a stand-alone, compact, portable, easy to use device that will measure and record up to 16,383 measurements per channel. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Its real time clock ensures that all the data is time and date stamped. The device can be started and stopped directly from your computer and its small size allows it to fit almost anywhere. The OM-CP-TCTEMP1000 makes data retrieval quick and easy even from harsh environments. Simply plug it into an available COM port and our user-friendly software does the rest. The Windows 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 Range:

-40 to 80°C (-40 to 176°F)

Temperature Resolution: 0.1°C

Temperature Accuracy:

±0.5°C (0 to 50°C)

Remote Channel Thermocouple

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

(36" Type K T/C supplied with unit),

other T/C's available, contact the

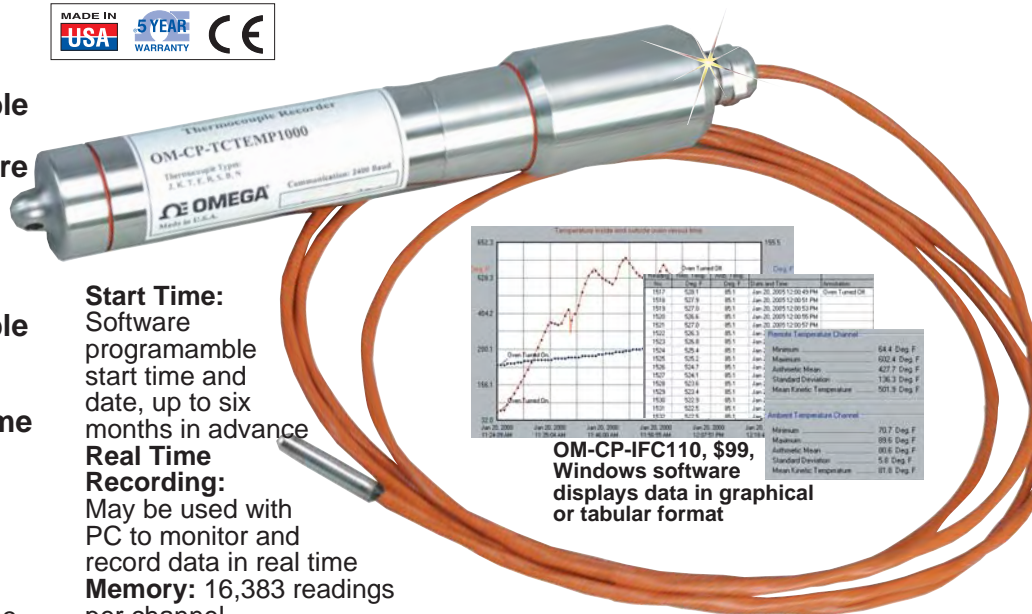
Data Acquisition Department

Thermocouple Connection:

Female subminiature (SMP)

Cold Junction Compensation:

Automatic based on internal channel



Start Time: Software programmable start time and date, up to six months in advance

Real Time Recording:

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

Memory: 16,383 readings per channel

Reading Interval: 1 reading every 2 seconds to 1 every 12 hours

Calibration Date: Digital calibration through software

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

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) 2400 baud

Power: 3.6 V lithium

battery (included)

Battery Life: 1 year

typical (1 minute reading

rate @ 25°C)

Software:

WIN98/NT/2000/XP/VISTA

32-bit (VISTA 32-bit version only;

VISTA 64-bit is not supported)

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

OM-CP-TCTEMP1000, \$299, shown smaller than actual size

Operating Environment: -40 to 80°C (-40 to 176°F) 0 to 100% RH non-condensing

Submersible: Up to 45 m (150')

Dimensions: 30.5 mm dia x 183 mm L (1.2 x 7.2")

Weight: 380 g (13 oz)

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

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-TCTEMP1000	\$299	Rugged thermocouple recorder
OM-CP-TCTEMP1000-CERT	359	Rugged thermocouple recorder with NIST calibration certificate
OM-CP-IFC110	99	Windows software and 1.2 m (4') RS-232 cable with DB9F termination
OM-CP-IFC200	99	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT102	10	Replacement 3.6 V lithium battery

Operator's manual is included with the OM-CP-IFC110 Windows software and RS-232 cable (software is required to operate the data logger and is sold separately).

Ordering Example: OM-CP-TCTEMP1000-CERT rugged thermocouple recorder with NIST calibration certificate and OM-CP-IFC110 Windows software, \$359 + 99 = \$458.

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