

# 8-Channel Temperature Data Logger

## Part of the NOMAD® Family

### OM-CP-OCTTEMP

OM-CP-OCTTEMP data logger, \$999, shown larger than actual size. KTSS-HH probe sold separately, \$29.

Starts at  
**\$999**



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

The OM-CP-OCTTEMP is an 8-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 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 or 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:** -20 to 60°C (-4 to 140°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

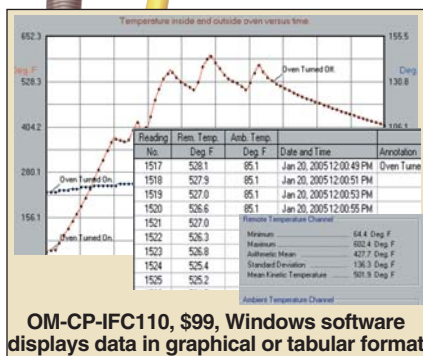
\* Accuracy does not include errors due to thermocouple.



**Temperature version!**

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 sec to 12 hr 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-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, \$99, Windows software displays data in graphical or tabular format

**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:** 38 H x 111 W x 89 mm D (1.5 x 4.4 x 3.5")  
**Weight:** 450 g (16 oz)  
**Material:** Black anodized aluminum

**AVAILABLE FOR FAST DELIVERY!**

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-OCTTEMP	\$999	8-Channel, thermocouple-based temperature data logger
OM-CP-OCTTEMP-CERT	1059	8-Channel, thermocouple-based 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
OM-CP-BAT103	20	Replacement 9 V lithium battery

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. To order data loggers with optional 120 Vac power, add suffix "-AC" to model number and add \$100 to price.

**Ordering Example:** OM-CP-OCTTEMP-CERT, 8-channel, thermocouple-based temperature data logger with NIST calibration certificate, OM-CP-IFC110, Windows software and RS-232 cable, \$1059 + 99 = \$1158.



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