

OCTTEMP2000

8 CHANNEL THERMOCOUPLE DATA LOGGER WITH LCD

Features

- Large Backlit LCD
- User-Friendly Front Panel
- Accepts Thermocouple Types
J, K, T, E, R, S, B, N
- High Speed Downloading
- Onscreen Statistics
- External Power or User Replaceable
Battery
- Low Battery Indicator



*Thermocouple Plugs/Probes Sold Separately

Benefits

- Simple Setup and Installation
- Minimal Long-Term Maintenance
- Long-Term Field Deployment

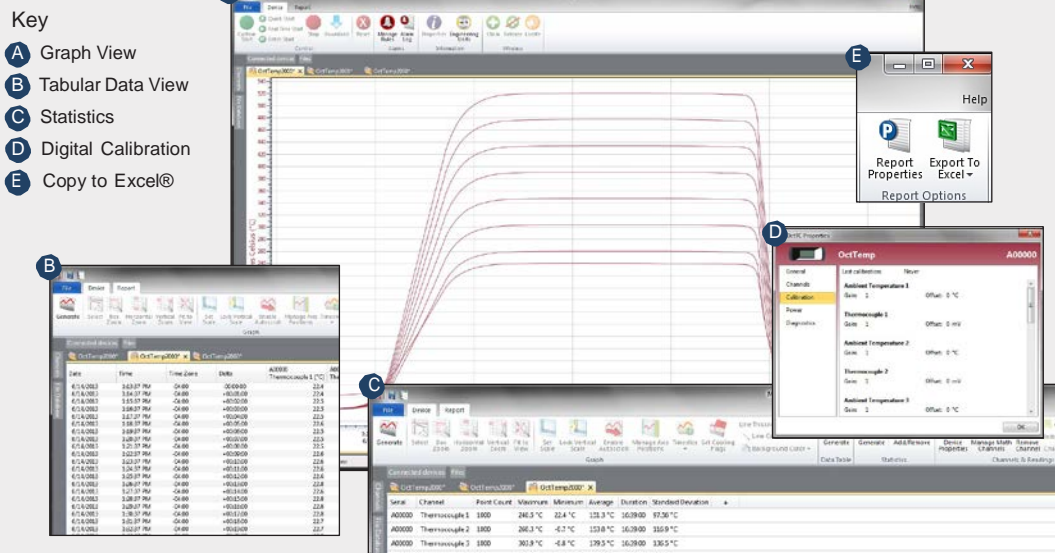
Applications

- Monitor Multiple Points
- Warehouse Monitoring
- Refrigerator Monitoring
- Medical and Pharmaceutical
- Oven Monitoring
- Smoke Houses
- Food Processing
- HVAC
- Engine Studies

The OctTemp2000 is an eight channel thermocouple data logger with an LCD. The device features onscreen minimum, maximum and average statistics, as well as a user configurable graphics screen that allows for any combination of channels to be displayed. The device accepts J, K, T, E, R, S, B and N type thermocouples.

The OctTemp2000 is ideal for a variety of applications, whether it is remote temperature monitoring, or multiple points in a central location. Data from all channels is simultaneously logged and displayed onscreen for real-time monitoring. It can then be downloaded to a PC for further analysis.

MADGETECH DATA LOGGER SOFTWARE



- Software Features:**
- Multiple graph overlay
 - Statistics
 - Digital calibration
 - Zoom in/ zoom out
 - Lethality equations (F0, PU)
 - Mean Kinetic Temperature
 - Full time zone support
 - Data annotation
 - Min./Max./Average lines
 - Data table view
 - Automatic report generation
 - Summary view
 - Multilingual

OCTTEMP2000 SPECIFICATIONS*

8 Internal Channels			
Temperature Range:	-20 °C to +60 °C (-4 °F to +140 °F)		
Temperature Resolution:	0.05 °C		
Calibrated Accuracy:	±0.5 °C (0 to +50 °C)		
8 Remote Channels			
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:	1000 Ω, <100 Ω recommended		
Thermocouple	<u>Range (°C)</u>	<u>Resolution</u>	<u>Accuracy</u>
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
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 Rate:	4 readings every second up to 1 reading every 24 hours
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Battery Type:	9 Volt lithium or alkaline battery included, user replaceable
Battery Life:	18 months typical with display off. 3 months typical with continuous display use.
Data Format:	Date and time stamped °C, °F, K, °R, mV, V
Time Accuracy:	±1 minute/month
Computer Interface:	USB (Interface cable required); 115,200 baud
Software:	XP SP3/Vista/Windows 7/Windows 8
Operating Environment:	-20 °C to +60 °C (-4 °F to +140 °F), 0 %RH to 95 %RH non-condensing
Dimensions:	7.24 in x 2.7 in x 1.39 in (183 mm x 68 mm x 36 mm)
Material:	Black anodized aluminum
Weight:	16.9 oz (480 g)
Approvals:	CE

BATTERY WARNING: FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT SHORT CIRCUIT, CHARGE, FORCE OVER DISCHARGE, CRUSH, PENETRATE, OR INCINERATE. BATTERY MAY LEAK OR EXPLODE IF HEATED ABOVE 80 °C (176 °F).

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

ORDERING INFORMATION

MODEL	DESCRIPTION
OCTTEMP2000	8 Channel Thermocouple Recorder
IFC200	Software, manual and USB interface cable
*NIST	NIST Calibration Certificate
U9VL-J	Replacement battery for OctTemp2000

*To order the product with the NIST certificate add -CERT to the end of the part number.

ASK ABOUT OUR OTHER DATA LOGGERS

- Temperature
- Humidity
- Pressure
- pH
- Level
- Shock
- LCD Display
- Pulse/Event/State
- Current
- Voltage
- Wireless
- Intrinsically Safe
- Spectral
- Vibration
- Motion

For enquiries, please contact sales@valutemp.com.sg or visit our website at www.valutemp.net