OCTRTD

8 Channel RTD Temperature Recorder

FEATURES

- N.I.S.T. traceable
- Real-time operation
- Low cost
- Programmable start time
- Reusable
- User-friendly

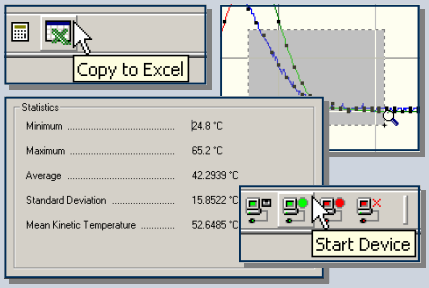
APPLICATIONS

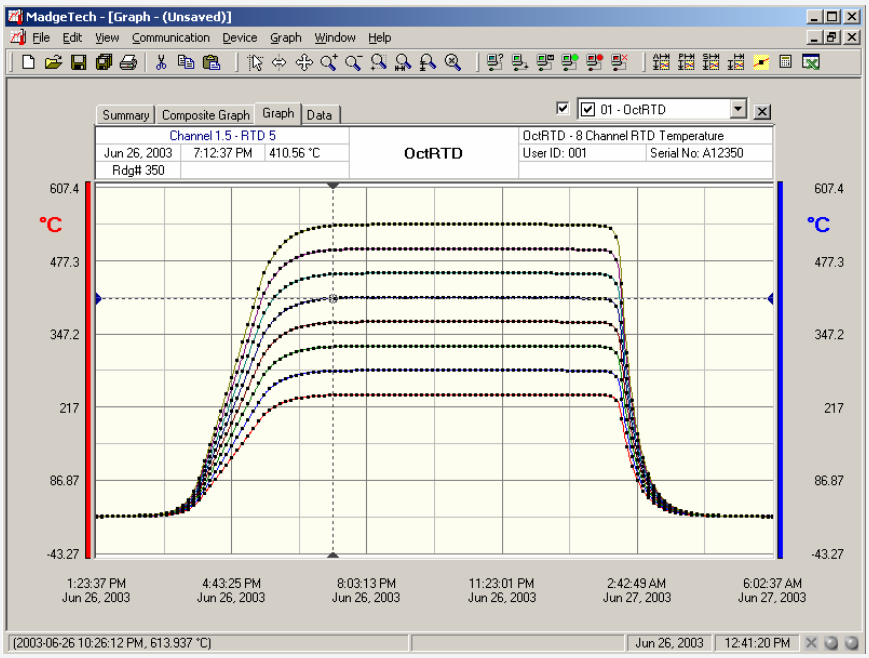
- Remote data logging
- Warehouse monitoring
- HVAC
- Medical/Pharmaceutical
- Museum monitoring
- Environmental studies
- Replace costly strip chart recorders
- Implement HACCP programs

The OCTRTD is an 8 channel, battery powered, stand alone, RTD based temperature recorder. This is an all-in-one compact, portable, easy to use device that will measure and record up to 10,922 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 OCTRTD makes data retrieval quick and easy. Simply plug it into an empty com port and our user-friendly software does the rest.

SOFTWARE

MadgeTech's Data Recorder Software is an easy to use Windows-based software package that allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.





Demo our software at www.madgetech.com

OCTRTD SPECIFICATIONS

Temperature*

Measurement Range:	-200 ºC to +850 ºC
Resolution:	0.01 ºC
Calibrated Accuracy:	±0.1 ºC @ 25 ºC ambient
Specified Accuracy Range:	-200 ºC to +850 ºC

Resistance

Nominal Range:	0 Ω to 5000 Ω
Resolution:	0.001 Ω
Calibrated Accuracy:	±0.015 Ω @ 25 ºC ambient
Specified Accuracy Range:	0 Ω to 500 Ω

Channels:	8
Input Connection:	Removable screw terminal; 2,3 or 4 wire interface
Temperature Effect on Span:	< 2.5 ppm/ºC; < 1.0 ppm/ºC typical
Temperature Effect on Offset:	< 10 ppm cumulative over –40 ºC to +80 ºC

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:	10,922 readings per channel
Reading Interval:	1 reading every 5 seconds to 1 every 12 hours
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Power:	9V lithium or alkaline battery included
User Replaceable Battery:	1 year typical
Data Format:	Date and time stamped ºC, ºF, ºK, ºR, Ω
Time Accuracy:	±1 minute/month (at 20 ºC, RS232 port not in use)
Computer Interface:	PC serial or RS232C COM (interface cable required); 2,400 baud
Software:	Windows 95/98/ME/NT/2000/XP based software
Operating Environment:	-40 ºC to +80 ºC, 0 to 95 %RH non-condensing
Dimensions:	3.5” x 4.4” x 1.5” (89mm x 111mm x 37mm)
Weight:	17 oz (480 g)

*Temperature specifications based on ideal 100 Ω Pt RTD compliant with IEC 751 (1983) and ITS-90, 5000 Ω FSR

OCTRTD SOFTWARE FEATURES

Multiple Graphs:	Simultaneously analyze data from several units or deployments; easily switch to a single data series
Real-Time Recording:	Collect and display data in real-time while continuing to log
Graphical Cursor:	One click displays readings by time, value, parameter or sample number
Data Table:	Instantly access tabular view for detailed dates, times, values, and annotations
Scaling Options:	Autoscale function fits data to the screen, or allows user to manually enter their own values
Formatting Options:	Change colors, line styles, plotting options, show or hide channels in an instant
Statistics:	Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button
Export Data:	Export data in a variety of common formats, or switch to Excel with a single click
Calibration:	Fully digital calibration function automatically stores parameters in device
Logger Configuration:	Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Communications:	Automatically sets up communications port, or lets user set configuration
Printing:	Automatically print graphical or tabular data

**As part of our commitment to continuous product improvement, MadgeTech reserves the right to change product specifications without notice.

ORDERING INFORMATION

Model	Description
OCTRTD	8 Channel RTD Temperature Recorder
IFC101	Software, manual and 9-pin computer interface cable
N.I.S.T. Cert	N.I.S.T. Calibration Certificate

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature
Humidity
Pressure
pH
Level
Shock/Vibration
Pulse/Event
Voltage
Current
Submersible
Intrinsically Safe
RF Transmitters
Multi-parameter

Your local distributor in Germany:
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