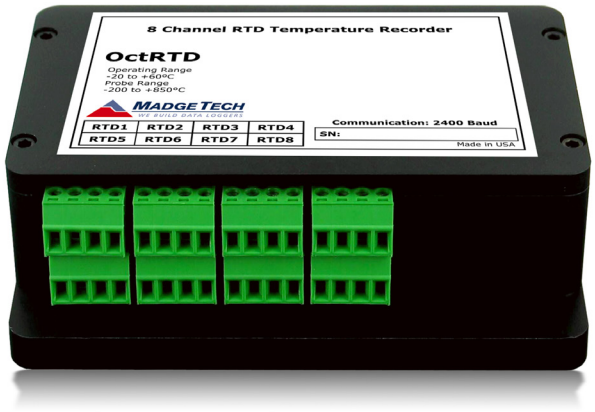
OCTRTD
8 CHANNEL RTD TEMPERATURE DATA LOGGER

MADGETECH
WE BUILD DATA LOGGERS

Features
- ±0.1 °C Calibrated Accuracy
- Real time Operation
- Low Cost
- Programmable Start Time
- Reusable
- User-friendly
- Accepts 2, 3 and 4-wire RTD's

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

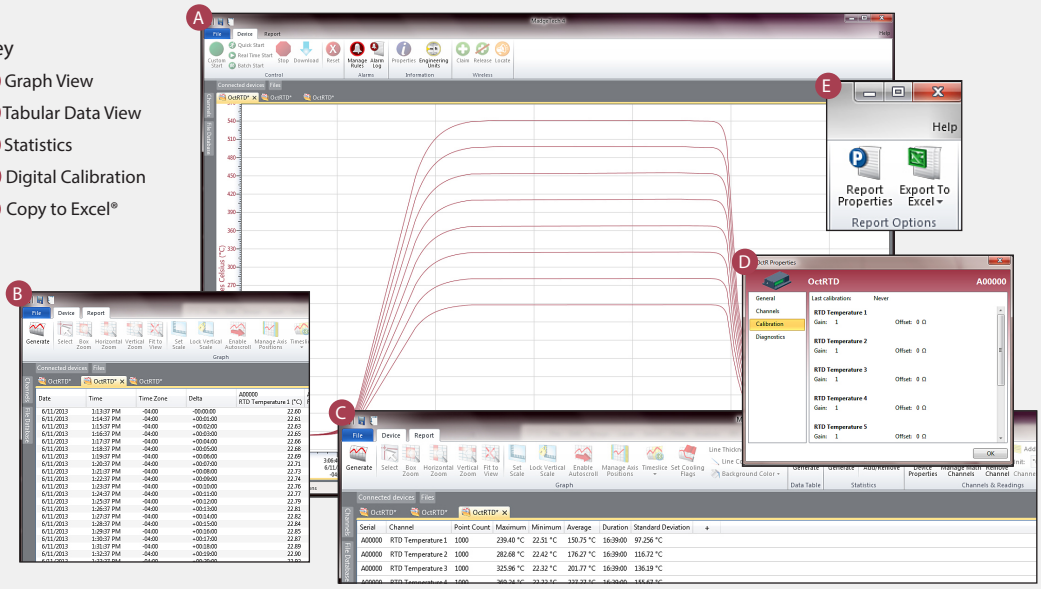
Applications
- Calibration Chamber Monitoring
- Process Verification/Validation
- Warehouse Monitoring
- Precision Temperature Monitoring
- HVAC
- Clean Rooms
- Medical/Pharmaceutical
- Museum Monitoring
- Environmental Studies
- Replace Costly Strip Chart Recorders



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 or USB port and our user-friendly software does the rest.

MADGETECH DATA LOGGER SOFTWARE

Key
- A Graph View
- B Tabular Data View
- C Statistics
- D Digital Calibration
- E Copy to Excel®



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

6 Warner Road · Warner, NH 03278
Phone: (603) 456-2011 · Fax: (603) 456-2012

OCTRTD SPECIFICATIONS*

Temperature**

Measurement Range:	-200 ºC to +850 ºC (-328 ºF to +1562 ºF)
Resolution:	0.01 ºC (0.018 ºF)
***Calibrated Accuracy:	±0.1 ºC @ 25 ºC ambient
Specified Accuracy Range:	-200 ºC to +850 ºC (-328 ºF to +1562 ºF)

Resistance

Nominal Range:	0 to 500 Ω
Resolution:	0.001 Ω
***Calibrated Accuracy:	±0.030 Ω @ 25 ºC ambient
Specified Accuracy Range:	0 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 specifications based on ideal 100 Ω Pt RTD compliant with IEC 751 (1983) and ITS-90, 5000 Ω FSR (accuracy based on 36 in lead wire RTD with 4 wire configuration)

***Calibrated accuracies based on standard MadgeTech calibrations for 0 to 200 Ω range.

Start Modes:	Software programmable immediate start or delay start up to six months in advance, programmable in software
Real Time Recording:	May be used with PC to monitor and record data in real time
Memory:	10,922 readings per channel, for a total of 87,376 readings
Reading Rate:	1 reading every 2 seconds up to 1 reading every 12 hours
Calibration:	Digital calibration through the software
Calibration Date:	Automatically recorded within device
Battery Type:	9V lithium or alkaline battery included, user replaceable
Battery Life:	1 year typical
Data Format:	Date and time stamped ºC, ºF, K, ºR; Ω
Time Accuracy:	±1 minute/month (at +20 ºC (+68 ºF), RS232 port not in use)
Computer Interface:	PC serial or USB (interface cable required); 2,400 baud
Software:	XP SP3/Vista/Windows 7/Windows 8
Operating Environment:	-20 ºC to +60 ºC (-4 ºF to +140 ºF), 0 %RH to 95 %RH non-condensing
Dimensions:	3.5 in x 4.4 in x 1.5 in (89 mm x 112 mm x 39 mm)
Weight:	15.9 oz (450 g)

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 ºC (176 ºF).

**SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.*

ORDERING INFORMATION

MODEL	DESCRIPTION	
OCTRTD	Temperature Data Logger	
IFC200	Software, manual and USB interface cable	
*Calibration	Calibration Certificate	
U9VL-J	Replacement battery for OctRTD	

ASK ABOUT OUR OTHER DATA LOGGERS

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

For Quantity Discounts call 603-456-2011 or email sales@madgetech.com

*To order the product with the calibration certificate add -CERT to the end of the part number and add $81.00 to the price.

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