

RHTEMP1000

RUGGED HUMIDITY & TEMPERATURE DATA LOGGER



Features

- Software Battery Life Indicator
- 316 Stainless Steel Enclosure
- Small, sleek design
- Fast Response Time
- Engraved Label
- NIST traceable
- CE compliant

Benefits

- Faster Downloads (1 min. full memory)
- Docking station communication
- Easily identify low battery voltage

Applications

- Implement HACCP Programs
- Environmental studies
- Hostile environment monitoring
- Medical & Pharmaceutical

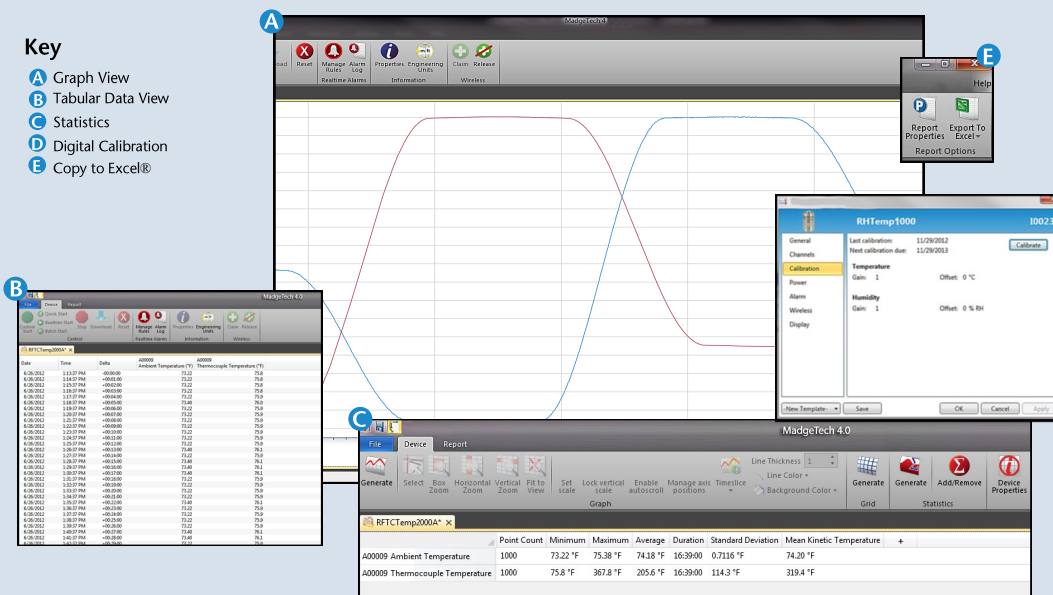
The new RHTemp1000 humidity and temperature logger is a rugged, IP30, battery powered, stand alone device which can be used to automatically record humidity and temperature. This all in one compact, portable, easy to use device is able to measure and record up to 16,350 humidity and temperature measurements. The RHTemp1000 is ideal for use in harsh environments. Its real time clock ensures that all the 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. With the added battery life indicator feature, users can now easily identify low voltage and change batteries before usage. The device can be started and stopped directly from your computer and its small, sleek size allows it to fit almost anywhere. The RHTemp1000 makes data retrieval quick and easy. Simply insert the device into the IFC400 USB docking station (sold separately) and our user-friendly software does the rest. No more removal of end-caps to download your data!



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

RHTEMP1000 SPECIFICATIONS*

Temperature Sensor: Resistance Temperature Detector (RTD)

Temperature Range: -20°C to +80°C (-4°F to +176°F)

Temperature Resolution: 0.01°C

Response Time: 10 minutes (free air)

Calibrated Accuracy: ±0.5°C (0°C to 55°C)

Humidity Range: 0 to 100%RH (non-condensing)

Humidity Resolution: 0.1%RH

Response Time: $\tau = 2$ minutes to 63% of change

Calibrated Accuracy: ±3%RH maximum;
±2%RH typical at 25°C

Specified Accuracy Range: 10%RH to 90%RH; +5°C to +55°C

Start Modes: Software programmable immediate start or delay start up to 24 months in advance

Real Time Recording: May be used with PC to monitor and record data in real time

Memory: 16,350 readings per channel

Password Protection: Yes

Reading Rate: 1 second to 1 reading every 24 hours

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Memory Wrap: Yes

Battery Life: 2 years typical at 25°C, 15 minute reading intervals

Data Format: Date and time stamped °C, °F, K, °R ; %RH,

Battery Type: 3.6V lithium battery included, **user replaceable**

Time Accuracy: ±1 minute/month

Computer Interface: USB (interface cable required); 125,000 baud

Software: Windows XP SP3/Vista/Windows 7

Operating Environment: -20°C to +80°C, 0 to 95%RH (non-condensing)

Dimensions: 1.0" x 2.0" (25.4mm x 50.8mm)

Weight: 3.0oz (85g)

Material: 316 Stainless Steel

Approvals: CE

IP Rating: IP30

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY.
CALL 1-803-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

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

ORDERING INFORMATION

MODEL	DESCRIPTION
RHTEMP1000	Humidity and Temperature Recorder with Stainless Steel enclosure
IFC400	Docking station with USB cable, software, and manual
N.I.S.T.	N.I.S.T. Traceable Calibration Certificate
TL-2150-0S	Replacement battery for RHTEMP1000

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

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



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