

RHTEMP2000 SPECIFICATIONS*

TEMPERATURE

Range: -20 to +60°C

Resolution: 0.1°C

Calibrated Accuracy: ±0.5°C (0 to +50°C)

HUMIDITY

Range: 0 to 95%RH

Resolution: 0.1%RH

Calibrated Accuracy: ±3%RH (±2%RH typical at 25°C)

Specified Accuracy Range: +10 to +40°C, 10 to 80%RH

DOT-MATRIX LCD

Dimensions: 2.5" x 1.375" (63mm x 35mm)

Text: Configurable channel text size

Indicators: Power, status, memory

Backlight: Configurable w/auto shut-off and contrast adjustment

Start/Stop Time: Software programmable start time and date, up to six months in advance; programmable stop time

Memory: 131,071 readings per channel; 262,143 total readings; software configurable memory wrap

Reading Rate: 1 reading every 2 seconds to 1 every 24 hours

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Battery Type: 9V lithium battery included, **user replaceable**; optional AC adapter

Battery Life: 1 year battery life at 1 min reading rate with display off. 30 days typical with continuous LCD and no backlight usage.

Unit Display: Date and time stamped °C, °F, K, °R ; %RH, mg/ml water vapor concentration, dew point

Time Accuracy: ±1 minute/month (at 20° to 30°C)

Computer Interface: PC serial or USB (interface cable required); 115,200 baud

Software: Windows 95/98/ME/NT/2000/XP/Vista based

Operating Environment: -20 to +60°C, 0 to 95%RH non-condensing

Dimensions: 4.8" x 3.3" x 1.25" (122mm x 84mm x 32mm)

Weight: 16 oz (440 g)

Enclosure: Black anodized aluminum

BATTERY WARNING: MAY LEAK AND/OR FLAME IF OPENED, RECHARGED, CONNECTED IMPROPERLY, OR DISPOSED OF IN FIRE.

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 quickly

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: Automatically calculate and store calibration parameters

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 select configuration

Printing: Automatically print graphical or tabular data

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

ORDERING INFORMATION

<u>Model</u>	<u>Description</u>	<u>Price (U.S.)</u>
RHTEMP2000	Humidity and Temperature Recorder w/LCD Display	\$399.00
IFC110	Software, manual and RS232 interface cable	\$99.00
IFC200	Software, manual and USB interface cable	\$119.00
NIST	N.I.S.T. Calibration Certificate	Call for Options and Pricing
U9VL-J	Replacement battery for RHTemp2000	\$15.00
DC9V-NA	9 Volt AC wall mounted Adapter (North American version)	\$13.00
DC9V-EU	9 Volt AC wall mounted Adapter (European version)	\$13.00

ASK ABOUT OUR OTHER DATA RECORDERS

Temperature	Pulse/Event/State
Humidity	Low Level Current
Pressure	Low Level Voltage
pH	RF Transmitters
Level	Intrinsically Safe
Shock	Spectral Vibration
LCD Display	

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

