

# TRANSITEMPII-RH

## LOW COST TEMPERATURE & HUMIDITY DATA LOGGER

### Features

- Splash resistant (IP64)
- Manual, magnetic or programmable start time
- Instantaneous out of range indication
- User selectable alarm limits
- Optional password protection
- Lanyard attachment
- Low cost
- User friendly
- Fast data offload
- Reusable
- Miniature size
- CE compliant

### Applications

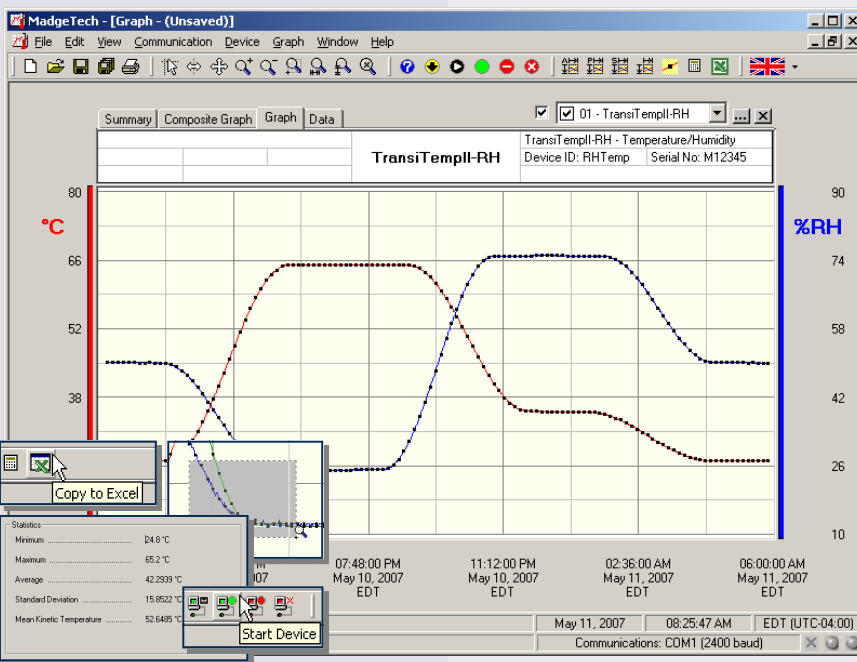
- Implement HACCP programs
- Cold chain monitoring
- Warehouse monitoring
- Verify products are stored and shipped safely
- Monitor refrigerated cars
- Medical and Pharmaceutical
- Laboratory
- Research and Development

The TransiTempII-RH is a stand alone, rugged humidity and temperature recorder. This device is ideal for monitoring and recording the temperature and humidity of products during storage and shipping.

No external probes are required to achieve its high performance as both the temperature and humidity sensors are internal to the device. The TransiTempII-RH has a humidity resolution of 0.1% RH and typical accuracy of  $\pm 3.5\%$  RH at 25°C. It can record up to 16,383 readings per channel.

The TransiTempII-RH is equipped with three status LED red/green/yellow indicators. It can be programmed through software to start immediately, delayed start for up to 30 days, or be set to start using the magnetic switch.

With the MadgeTech user-friendly software, the data can be displayed with a variety of different configurable options. Users have the ability to view temperature data in degrees Celsius, Fahrenheit, Kelvin or Rankine. Humidity readings can be displayed in %RH, water vapor concentration or even dew point. For additional analysis, data can be easily exported to MS Excel® by simply clicking a button.



### MadgeTech Data Recorder Software

displays humidity and temperature data in an easy to use graph.

The Windows®-based software package 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.

Click [MadgeTech Software](#) for more information or to download the software.

# TRANSITEMPII-RH SPECIFICATIONS\*

## TEMPERATURE

**Sensor:** Semiconductor  
**Measurement Range:** -40°C to +80°C (-40 to +176°F)  
**Resolution:** 0.1°C (18°F)  
**Calibrated Accuracy:** ±0.5°C (±0.9°F)  
**Specified Accuracy Range:** -10°C to +40°C (14 to +104°F)  
**Response Time:** 90% of change in 30 minutes typical in slow moving air

## HUMIDITY

**Sensor:** Capacitive Polymer  
**Measurement Range:** 0 to 95%RH  
**Resolution:** 0.1%RH  
**Calibrated Accuracy:** ±5%RH (±3.5%RH typical at 25°C/77°F)  
**Specified Accuracy Range:** 20 to 80%RH, +10°C to +40°C (14 to 104°F)  
**Response Time:** 90% of change in 2 minutes typical in slow moving air  
**Calibration:** Digital calibration through software  
**Calibration Date:** Automatically recorded within device  
**Memory:** 16,383 readings per channel, 32,766 total readings; software configurable memory wrap  
**Reading Rate:** 5 seconds to 30 minutes, selectable in software  
**Start Modes:** Software programmable immediate start, delay start up to 30 days in advance, or manual start with magnetic switch  
**Temperature Alarm:** Configurable temperature alarm with programmable high and low alarm limits, high and low warn limits. Each set point may be individually enabled or disabled.

**Alarm Delay:** Programmable alarm delay inhibits alarm until alarm limits are exceeded for a total time from the start of recording.

### Status Indicators:

**GREEN** Blinks to indicate safe conditions during acquisition  
**YELLOW** Blinks to indicate warn limits have been exceeded  
**RED** Blinks to indicate alarm criteria (limits/delay) have been exceeded

**Password Protection:** An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.

**Battery Type:** 3.6V lithium battery, **factory replaceable**

**Battery Life:** 1 year typical at 25°C (77°F), 1 minute reading intervals

**Time Accuracy:** ±2 minutes/month at 25°C (77°F), ±5 mins./month at -10 to +40°C (14 to 104°F)

**Data Format:** Date and time stamped at °C, °F, %RH, mg/ml water vapor concentration

**Computer Interface:** USB docking station to PC, 38,400 baud

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

**Operating Environment:** -40 to +80°C (-40 to 176°F), 0 to 95%RH non-condensing

**Ingress Protection:** IP64 (splash-resistant)

**Weight:** 1.4 oz (40 g)

**Dimensions:** 3.3" x 2.1" x 0.4" (83mm x 54mm x 11mm)

**Enclosure:** ABS plastic

**Compliance:** CE

## SOFTWARE FEATURES

**BATTERY WARNING:** FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212°F, INCINERATE OR EXPOSE CONTENTS TO WATER.

**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

**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

**Printing:** Automatically print graphical or tabular data

## ORDERING INFORMATION

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY AND REMEDY LIMITATIONS APPLY.

Model	Description	Price (U.S.)
TRANSITEMPII-RH	Humidity and Temperature Recorder	\$99.00
IFC300	USB Docking Station and Software Manual	\$69.00
NIST	N.I.S.T. Calibration Certificate	Call for Pricing
SVP-Secure	Protocols for validating the 21 CFR Part 11 ready, secure data logging system	\$600.00
SVP-Secure License	License for MadgeTech SVP-Secure Software (unlimited users, license per computer)	\$1000.00

### 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](mailto:sales@madgetech.com)

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