

Device Maintenance

**Battery Replacement**

The TransiTempII-RH must be returned to the factory for battery replacement.

**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).**

**Recalibration**

The TransiTempII-RH standard calibration is one point at 25°C and two points at 25%RH and 75%RH

**Pricing:**

Recalibration traceable to NIST      \$90.00  
 Recalibration                              \$70.00

**Additional:**

As Found Data                              \$15.00  
 Additional Points                          \$15.00 per point

*To send the devices back, visit [www.madgetech.com](http://www.madgetech.com), select Services then RMA Process.*

Part Number	TransiTempII-RH
Sensor	Semiconductor
Temperature Range	-40 to +80°C
Temperature Resolution	0.1°C
Temperature Accuracy	±0.5°C
Humidity Sensor	Capacitive Polymer
Humidity Range	0 to 95%RH
Humidity Resolution	0.1%RH
Humidity Accuracy	±5%RH
Memory	16,383/channel
Sample Rate	5 seconds up to 30 minutes
RH Units	%RH, dew pt., water vapor concentration (mg/ml)
Alarm	Temperature
LED Indicator	Red, Yellow & Green
Required Interface Package	IFC300
Baud Rate	38,400
Typical Battery Life	1 year
Operating Environment	-40 to +80°C, 0 to 95%RH (Non-Condensing)
Submergible	Splash Resistant (IP65)
Material	ABS plastic, polycarbonate label
Dimensions	3.3" x 2.1" x 0.4" (83mm x 54mm x 11mm)
Approvals	CE



**TransiTempII-RH**  
 Low Cost Temperature and Humidity Recorder

*Specifications subject to change.*

*See MadgeTech's terms and conditions at [www.madgetech.com](http://www.madgetech.com)*

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## Product Notes

## Manual Start

When the **Manual Start** method is selected, the data logger will be armed, but not recording. To start the device, hold the push button down until both the green and red LEDs flash momentarily.

## Submergibility

The TransiTempII-RH is splash resistant, rated IP64.

## LEDs

**Green:** Blinks to indicate safe conditions during acquisition.

**Yellow:** Blinks to indicate warm limits have been exceeded.

**Red:** Blinks to indicate alarm criteria (limits/delay) have been exceeded

## Alarm Settings

To change the settings for the temperature alarm;

- Select **Alarm Settings** from the **Device Menu** in the MadgeTech Software. A window will appear allowing the customer to set the high and low temperature alarms and warning alarms.
- Press **Change** to edit the values.
- Check **Enable Alarm Settings** to enable the feature and check each high and low, warn and alarm box to activate it. The values can be entered in the field manually or by using the scroll bars.
- Click **Save** to save the changes. To clean an active alarm or warn, press the **Clear Alarm** or **Clear Warn** button.
- To set an alarm delay, enter the duration of time into the **Alarm Delay** box in which the readings can be outside of the alarm parameters.

## Password Protection

An optional password may be programmed into the device to restrict access to configuration options.

## Installation Guide

## Installing the Interface cable

- IFC200, IFC202 or IFC300  
Refer to the "Quick Start Guide" included in the package.

- IFC110, IFC102 or IFC103  
Plug the serial cable into the port and verify it is secure.

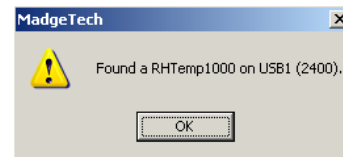
- USB-1 or USB-101  
Install the USB drivers from the CD provided in the kit, then plug the USB cable into the computer and the serial cable into the serial port.

## Installing the software

Insert the Software CD in the CD-ROM Drive. If the autorun does not appear, locate the drive on the computer and double click on **Autorun.exe**. Follow the instructions provided in the Wizard.

## Connecting the data logger

- Once the software is installed and running, plug the interface cable into the data logger.
- Click the **Communication Menu**, then **Auto Configure Port**.
- After a moment, a box similar to the following will appear;



- Click **OK**. The **Device Status** box will appear. Click **OK**.
- At this point, communications have been configured for your logger. These settings can be found under the **Communication Menu**.

**Note:** For additional installation instructions refer to your "Data Logger & Software Operating Manual".

## Device Operation

## Starting the data logger

- Click **Device Menu** then **Start Device**.
- Choose the desired start method.
- Choose the start parameters by selecting a **Reading Rate** suitable for your application.
- Enter in any other desired parameters and click **Start**.
- A box will appear stating the data logger has been started. Click **OK**.



- Disconnect the data logger from the interface cable and place it in the environment to measure.

**Note:** The device will stop recording data when the end of memory is reached or the device is stopped. At this point the device cannot be restarted until it has been re-armed by the computer.

## Downloading data from a data logger

- Connect the data logger to the interface cable.
- Click the **Device Menu** then **Read Device Data**. This will offload all recorded data onto the PC.

## Technical Support

Visit [www.madgetech.com](http://www.madgetech.com), or call (603) 456-2011. Technical support is also available by e-mailing [support@madgetech.com](mailto:support@madgetech.com)

Additional product information is available by e-mailing [info@madgetech.com](mailto:info@madgetech.com).