

Product Quick Reference Card



Device Maintenance

Battery Replacement

Materials:

Large Flat Head Screwdriver

Replacement Battery (ER14250)

- Use the screwdriver to unscrew the bottom cap from the enclosure.
- Tip the battery out of the enclosure tube.
- Insert the new battery into the enclosure tube, positive (+) terminal first.
- Screw the bottom cap back in place.

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 MicroTemp standard calibration is one point at 25°C.

Pricing:

Recalibration traceable to NIST \$60.00
Recalibration \$40.00

Additional:

As Found Data \$15.00 per parameter/channel
Verification Point \$15.00 per point

To send the devices back, visit www.madgetech.com, select Services then RMA Process.

Part Number	MicroTemp
Temperature Sensor	Internal semiconductor
Temperature Range	-40 to +80°C
Temperature Resolution	0.1°C
Calibrated Accuracy	±0.5°C
Memory	32,767
Sample Rate	2 seconds up to 12 hours
Alarm	Yes
LED Indicator	Red & Green
Required Interface Package	IFC102 or IFC202
Baud Rate	38,400
Typical Battery Life	1 year
Operating Environment	-40 to +80°C, 0 to 100%RH
Material	316 food grade stainless steel
Dimensions	2.6" x 0.7" dia. (66mm x 18mm dia.)
Approvals	CE

Specifications subject to change.
See MadgeTech's terms and conditions at www.madgetech.com

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Product Information Card

MicroTemp



MicroTemp

Miniature Temperature Recorder in Stainless Steel Enclosure



To view the full MadgeTech product line, visit our website at www.madgetech.com.

Product Notes

Submergibility

The MicroTemp is fully submergible and is rated IP68. It can be placed in environments with up to 230 feet (70m) of water.

LEDs

Once started, the LED will flash at the selected reading rate to indicate that the device is running. The LED will flash in one second intervals if there is an alarm condition.

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.
- Press **Change** to edit the values.
- Check **Enable Alarm Settings** to enable the feature. 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, press **Clear Alarm**.

O-Rings

O-ring maintenance is a key factor when properly caring for the MicroTemp. The o-rings ensure a tight seal and prevent liquid from entering the inside of the device.

Please refer to the app note “O-Rings 101: Protecting Your Data”, found on the MadgeTech website, for information on how to prevent O-ring failure.

Installation Guide

Installing the Interface cable

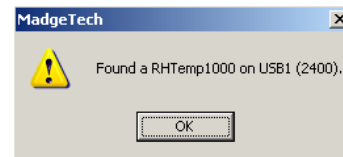
- IFC200, IFC202 or IFC300
Refer to the “Quick Start Guide” included in the package.
- IFC110, IFC102 or IFC103
Plug the serial cable into the port and verify it is secure.
- USB-1 or USB-101
Install the USB drivers from the CD provided in the kit, then plug the USB cable into the computer and the serial 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, or call (603) 456-2011. Technical support is also available by e-mailing support@madgetech.com

Additional product information is available by e-mailing info@madgetech.com.