

Product Quick Reference Card



Device Maintenance

Battery Replacement

Materials:
9/64" HEX Driver (Allen Key)
Replacement Batteries (6 AA)

- Remove the cover from the device by unscrewing the four screws.
- Remove the batteries from the compartment.
- Insert the new batteries as indicated by the diagram on the battery holder.
- Replace the cover taking care not to pinch the wires. Screw the enclosure back together securely.

Note: Be sure not to over tighten the screws or strip the threads.

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 60°C (140°F).

Recalibration

The PR2000 standard calibration is dependant on the range.

Range (PSIA)	0-30	0-100	0-300	0-500	0-1000	0-5000
Range (PSIG)	0-30	0-100	0-300	0-500	-	-
Calibration Point	15PSI and 27-30PSI	15PSI and 90-100PSI	15PSI and 27-30PSI	15PSI and 270-300PSI	15PSI and 450-500PSI	15PSI and 450-500PSI

Pricing:

Recalibration traceable to NIST \$60.00
Recalibration \$40.00

Additional:

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

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

Product Information Card

PR2000

Part Number	PR2000
Pressure Sensor	Semiconductor (strain guage)
Pressure Range	
Pressure Resolution	*See Table Below
Pressure Accuracy	
Memory	262,143
Sample Rate	2 seconds to 24 hours
Required Interface Package	IFC110 or IFC200
Baud Rate	115,200
Typical Battery Type	6 Alkaline AA Batteries
Operating Environment	-20 to +60°C, 0 to 95%RH (Non-Condensing)
Material	Black anodized aluminum and 303 stainless NPT process connection
Dimensions	5.1" x 4.8" x 1.78" (130mm x 122mm x 45mm)
Approvals	CE

*PR2000 Pressure Range, Accuracy and Resolution

Range (PSI)	0-30	0-100	0-300	0-500	0-1000	0-5000
Accuracy	2% FSR, 0.25% @ 25°C typical					
Resolution (PSI)	0.002	0.005	0.02	0.05	0.05	0.2



PR2000

Pressure Recorder with LCD Display

Specifications subject to change.

See MadgeTech's terms and conditions at www.madgetech.com

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

Product Notes

Subergibility

The PR2000 is rated IP65.

Backlight

The backlight uses a significant amount of battery life. Refer to the manual to configure the auto shut-off when not in use.

Installation Guide

Installing the Interface cable

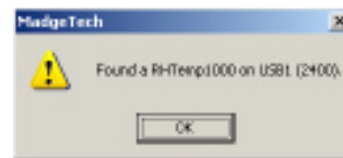
- IFC200, IFC202 or IFC300
Refer to the "Quick Start Guide" included in the package.
- IFC110, IFC102 or IFC103
Plug the serial cable into the port and verify it is secure.
- USB-1 or USB-101
Install the USB drivers from the CD provided in the kit, than plug the USB cable into the computer and the serial 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 desired stop method.
- Choose the start parameters by selecting a **Reading Rate** suitable for the 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.