MADGETECH
WE BUILD DATA LOGGERS

PR2000

Part Number	PR2000
Pressure Sensor	Semiconductor (strain guage)
Pressure Range	
Pressure Resolution	*See Table Below
Pressure Accuracy	
Memory	262,143
Sampling Rate	2 seconds to 24 hours
Required Interface Package	IFC200
Baud Rate	115,200
Typical Battery Type	6 Alkaline AA Batteries
Operating Environment	-20°C to 60°C (-4°F to 140°F), 0%RH to 95%RH (non-condensing)
Material	Black anodized aluminum and 303 stainless steel NPT process connection
Dimensions	5.1" x 4.8" x 1.78" (130mm x 122mm x 45mm)
Approvals	CE

* PR2000 Pressure Range, Resolution and Accuracy

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

Battery Warning

WARNING: RISK OF FIRE OR EXPLOSION. DO NOT RECHARGE, FORCE OPEN, HEAT OR DISPOSE OF IN FIRE.

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

PR2000
Pressure Data Logger with LCD

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- 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.

Device Maintenance

Battery Replacement
Materials: 9/64" HEX Driver (Allen Key) and a Replacement Batteries (6 AA)
- Remove the back 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.

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

Recalibration
The PR2000 standard calibration is dependant upon the range.

Pricing:

Recalibration traceable to NIST $70.00
Recalibration $40.00

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 Points (PSIA)	~14.7 and 27-30	~14.7 and 90-100	~14.7 and 270-300	~14.7 and 270-300	~14.7 and 450-500	~14.7 and 450-500

Additional Services:

Verification Point $15.00 per point

Prices and specifications subject to change. See MadgeTech's terms and conditions at www.madgetech.com
To send the devices back, visit www.madgetech.com, select **Services** *then* **RMA Process**.

Product Notes

The PR2000 is a pressure data logger with LCD display. The device features an IP rating of 65, which means it is dust proof, and splash proof making it available to be used outdoors. The convenient LCD provides access to the current pressure reading, as well as minimum, maximum and average statistics. A trending graph is also displayed of the last 100 readings.

For additional information refer to your PR2000 manual and "Data Logger & Software Operating Manual".

Submergibility
The PR2000 is rated IP65, which means it is dust tight and can withstand water jets.

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

Set Password
To password protect the device so that others cannot start, stop or reset the device;
- Click Identify Device and Read Status, then select the Device Detail Tab.
- Choose Set Password.
- Enter and confirm the password and click OK

Installation Guide

Installing the Interface Cable
- IFC200
  Insert the device into a USB port. The drivers will install automatically.

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 will appear stating a device has been found.
- 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**.