



MONARCH INSTRUMENT

Innovation in Instrumentation

DataChart® RFEExtender Kit

Wireless Data Logging System



Features

- Remote Monitoring via RF link
- No Wires, No Installation Cost
- Includes 2 Transceivers.
- 1 Mile transmission distance
- Operating Temperature Range: 0° to +70°C
- Automatically convert PC into strip chart recorder
- Downloads data logger readings remotely
- Small size
- Monitor moving processes
- Simple and transparent operation
- High reliability spread spectrum
- Quick Setup

Applications

- Remote Temperature Recording
- Implementing HACCP Programs
- Medical/Pharmaceutical Monitoring
- Museum Monitoring
- Warehouse Monitoring

Description

The RFEExtender Kit allows data logging up to a mile from a computer. An RFEExtender Kit transceiver must be connected at the Data Logger via an integral 1/8" phone plug cable. A second RFEExtender must be connected to the computer via a DB9 RS232 cable. Two transceivers are needed for one link. However, multiple Data Loggers, each having its own RFEExtender can transmit to one RFEExtender at the computer. Serial number coding is used to differentiate loggers being polled. Once a logger is addressed, all communication between the computer and the logger will be transparent to the user. The wireless link can be used to log data in real time to the host PC or periodically download data from the remote device. The units are powered by a wall mount power supply.

Specifications

Compatibility: Connects directly to any Monarch data logger for instant wireless data logging.

Range: Up to 1 mile

Transmit Interval: User selectable from 30 per minute to 2 per day.

Power: 5.0 Volts DC at 500 mA max. Wall mount power supply.

Shock Resistance: Drop proof to 5'.

Weight: Kit 3.0 lb, Transceiver- 0.5 lb

Computer Interface: RS232C Serial Port from Transceiver.

Software: Windows®95/98/NT/2000/XP based software for complete control and operation.

Operating Environment: 0°C to +70°C; 5% to 95% RH (non-condensing)

Dimensions: 5.5" x 2.75" x 1.0" (Antenna is 6")

Communication Frequency: 2.4 GHZ

Software Features

The software used for receiving and transmitting data from the Wireless Transceiver requires no programming skills, enables users to initiate the start of data collection within moments after the user connects hardware. While receiving the data, it may be viewed instantly in graphical or tabular form.

Zoom In/Out: Use mouse to click and drag to select area for zooming in or out.

Statistics: min, max, mean, mean kinetic temperature, standard deviation

Cursor: Use mouse to click on graph to obtain specific data point information.

Real Time Operation: Convert PC into strip chart recorder for real time data collection.

Annotating Data: All data points may be easily annotated.

Printing: Automatic printing of data in graphical or tabular form.

Units: Various unit options depending on data logger being used.

Auto Scale: Auto scale function may be enabled or disabled by user.

Calibration: Automatic calibration through software.

Exporting Data: All data can be directly exported to Microsoft Excel® or to text format.

Graph Grid Size: Four options for grid size available.

ORDERING INFORMATION

Item No.	Model	Description
5399-9904	RFEXT-KIT	(2) Wireless Transceiver, Antennas, P/S, Interface Cable, DB9 Cable. Software

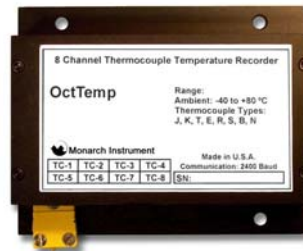
Ask About Our Other Data Loggers

Temperature	4.0 to 20.0 mA
Humidity	Pulse/Counter
Pressure	Submersible
pH	Level
Shock/Vibration	Multi-Parameter
Voltage	Intrinsically Safe
RF Transmitters	

Sample of different configurations and parameters...call for a complete list of compact data loggers.



PRHTemp 101 pressure, humidity and temperature recorder



OctTemp – 8 channel TC recorder



Temp1000 rugged temperature recorder stainless steel. Many configurations available.



MicroTemp ultra miniature temperature recorder available in stainless steel or Delrin

