



# B-BOX



## Features:

- 24x7x365 service!
- Firmware upgradable remotely through USB & ethernet
- Web based alarms with remote access
- Uses RxMS's patent pending remote processing technology
- 10 voltage and 5 current channels; every channel is redundant
- Smart calibration system with self-diagnostics
- UPS with battery backup
- Real time clock with remote atomic time synchronization
- Communication Protocols:
  - USB 2.0 Host and Slave
  - Ethernet 10/100 TCP/IP
  - FTP, HTTP, HTTPS, SMTP, Firewall
  - RS-232

The **RxMS Wireless B-Box** is a voltage and environmental logging tool that is utilized to monitor the operating environment of your equipment. The **RxMS Wireless B-Box** is equipped to simultaneously monitor in real time, Voltage on ten separate channels and Current on five channels. It also monitors the four most essential elements of an operating environment; room temperature, relative humidity, dust particle count and compressed air pressure.

## Voltage Measurements:

- Voltage Range: 0-600 Volts rms at half cycle interval
- Voltage Accuracy: 0.5 Volts
- Samples per Cycle: 256 or 15.360 kHz
- Voltage Transients: 4,000 Volts (Peak to Peak)
- Transient Accuracy: 1 Volt
- Transient Speed: 15 mHz (Total Sample Speed)

## Current Measurements:

- Current Range: 0-750 Amps(+/-)
- Current Accuracy: 0.13 Amps

## Frequency Measurements:

- Frequency: 50, 60, 400 Hz

## Wireless Environmental Logging:

- Up to 10 Satellites Each Containing:
  - Temperature: 0-100° Fahrenheit
  - Humidity: 10-90%
  - Air Pressure: 0-300 PSI
  - Dust: 0-60,000 Particles

## Storage Space:

- Data Storage: 512 MBytes expandable to 2 GBytes
- Running Time: Programmable amount of weeks up to 18 months

## Advantages:

- Remote downloads possible via USB or ethernet
- Large storage capacity (able to move to multiple sites)
- Reports from un-bias power quality engineers
- Customer Support available for report review
- Logistics assistance (insures on-time delivery and returns)
- Quick next day delivery
- Fast report turn-around (<72 hours)
- DC voltage logging (ideal for trouble sites)
- 400 Hz sampling unit available
- Corrective action follow-up service included
- Universal power supply (90 to 230VAC, 50/60 Hz.)