



*BlueSentry*

## Bluetooth Sensor Interface

BlueSentry connects to industry standard sensors to provide wireless, remote signal monitoring and device control in industrial and commercial environments.

Easily attaches to analog sensor outputs, automatically takes continuous measurements. Data is transferred wirelessly to PC and PDA clients using the Bluetooth Serial Port Profile (SPP). Or the BlueSentry can be paired with the BluePort XP serial adapter or Fireplug USB dongle to create a wireless serial port connection. Software applications can control and acquire data as if they were connected to a local serial port.

## Wireless Analog Data Transfer

BlueSentry contains a built in processor and smart Bluetooth radio. The device is programmed over Bluetooth via simple ASCII commands. Both ASCII and binary data formats are supported. Channels can be selected as single ended or differential measurements.

### Applications

- Remote Temperature Sensor
- Wireless Motor Control
- Remote Motion Sensors
- Wireless control and monitoring

### Features

- Eight 16 bit Input A/D channels 0-5VDC at up to 3000Hz sample rate.
- Two on board FET switches for powering external sensors.
- Two general purpose inputs/outputs (15ma drive) for control.
- High Power (Class 1 - 16db TX) – 100Meter Bluetooth™ radio with integral chip antennae.
- External SMA jack Antennae option, order RN-800S-E.
- Low power 6-12VDC (75ma) can run from 4-AAA batteries.
- Serial Port Profile enabled, slave or master mode capable.
- Low power sleep and wake on connect options.
- Screw post (power in, 2 ch), RJ45 (power in, 6 ch) and 12 pin internal header connections.
- Small form factor: 1.6" X 3.0" X 0.9"

