widget™

Wireless **D**ata **G**athering **E**nhanced **T**echnology

brisk ENGINEERING

SIMPLICITY

- ✓ Easy hardware installation and setup
- ✓ Web based application – remote accessibility
- ✓ Custom defined alerting / escalation alarming
- ✓ Customized reporting
- ✓ Units are transferable

VISIBILITY

- ✓ Continuous real-time machine status
- ✓ Performance & efficiency monitoring
- ✓ Inventory control
- ✓ Employee productivity
- ✓ Job status tracking
- ✓ Quality control
- ✓ Electronic record keeping

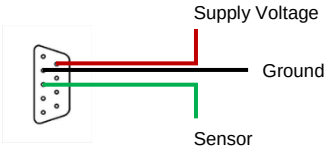
The widget was designed to bridge the communication gap between modern complex manufacturing lines and older simpler ones. It uses Wi-Fi technology (eliminating costly and intrusive wiring) and simple interface points to collect information where you need it. The unit's small form factor allows you to place it close to any interface point along the line whether the input signal is constant, pulse or analog. Complete with an open web-based software platform and multiple I/O ports, the solution is scalable and can be easily integrated with other systems.

Electrical Specifications

Networking Standards	IEEE 802.11 b/g/n
Security	WEP, WPA, WPA2
Protocols	DHCP, DNS, ARP, ICMP, FTP client, HTTP client, TCP, UDP
Supply Voltage	+15 to +27VDC
Power Consumption	4uA sleep, 35mA active RX, 180mA TX (at +12dBm)
Operating Temperature	-40C to +85C
Interface	UART, Wi-Fi
Transmit Power	Up to 150 meters (at +12dBm)
Antenna	Wire antenna, SMA connector, U.FL connector
Certifications	FCC, ICS, CE, Wi-Fi Alliance

Interface Points

Pin	Function
1	RS-232 Rx
2	RS-232 Tx
3	Primary sensor
4	Ground
5	Ground
6	Reserved
7	Reserved
8	Reserved
9	Supply voltage



Mechanical Drawing

The enclosure can be designed to meet NEMA or IP environmental specifications.