Accumine Technologies

SensorBot

SB Series Datasheet

SUMMARY

The Accumine SensorBot requires no network infrastructure to collect valuable process data off of existing factory assets.

Installation takes minutes and data can be accessed instantly. Data can be stored as-is for future extraction or fed into the Accumine Cloud Processor for further manipulation.

Out-of-the box reports and dashboards are instantly available for collected SensorBot data on Day 1.

HIGHLIGHTS

Wireless mesh network
SensorBots use a 900Mhz radio frequency with the ability to transmit data up to 1.5 miles.

Six data inputs
Connect up to six data inputs, which can range from current sensors to existing PLC inputs.

Connect to anything
The SensorBot is proven to connect to virtually any automated or manual manufacturing process.

Technical Specifications

POWER

Voltage Input	5VDC
Power Consumption	1W

CONNECTIVITY

RF Data Rate	200kbps
Indoor Range	1.0km
Outdoor Range	2.5km
Data Security	All communication secured via 128-bit AES encryption

PROCESSING & STORAGE

Analog Inputs	6, isolated channels with 0-5V analog (0-24V if digital input) Resolution: 8-bit ADC
Data Processor	Ability to perform data aggregation in real-time with low levels of latency
Real-Time	Data can be streamed to the nearest SensorBot Gateway as fast as once a second
Offline Storage	Data can be temporarily stored if connection to the SensorBot Gateway is lost
Data Security	All communication secured via 128-bit AES encryption

REQUIREMENTS

SensorBot Gateway	Each deployed SensorBot must be assigned to an active SensorBot Gateway which forwards data to the Accumine Platform via ethernet, Wi-Fi or cellular. A SensorBot Gateway can have up to 25 connected SensorBots.