SPECIFICATIONS

POWER SUPPLY	9-30 VDC / 3V Battery 2450
ANALOG INPUTS	1 - 0-20 mA, 4-20 mA, 0-5 V, 0-10V
DIGITAL INPUTS	1 - Dry Contact
INTERNAL MEASUREMENTS	Vibration Sensor
ANALOG CHANNEL IMPEDANCE	mA: 200 ohm V: 1M ohm

DIGITAL INPUTS

TYPE	Dry Contact
MAXIMUM VOLTAGE	12 VDC
INPUT IMPEDANCE	500k ohm
INPUT CURRENT @ 12 VDC (TYPICAL)	2mA

RESOLUTION	4096 (12 bit ADC)
REPORT INTERVAL	Configurable
DATA	As frequent as every 30 seconds
ALERTS	Configurable through the SENSERT Mobile App or Web Portal. Each channel can be configured for a high or low threshold value as well as custom alerts.
OPERATION TEMP	-4 to 131°F (-20 to 55°C)
ACCURACY	1% for all inputs, 2% for internal measurements
DISTANCE	The Remote I/O can communicate up to 100m away (line-of-sight). Exact communication distance will be affected by objects between the Base Unit and Remote I/O and any outside wireless interference.

SENSERT Remote I/O

SENSERT™ is a remote process monitoring and alert system. A variety of sensors, such as temperature, humidity, vibration, and pressure, can be hardwired directly to the SENSERT Remote I/O. The Remote I/O then wirelessly communicates sensor data to the Base Unit via Bluetooth Mesh. Up to 5 Remote I/O's can be linked to a single Base Unit.

FEATURES

- Sensor Monitoring
- Real-Time Alerts
- Android/iOS
- Cloud Based Data
- Up to 5 Remote I/O's can be linked to a single Base Unit

ORDERING INFORMATION

Product	Product Number	Features
SENSERT WiFi Base Unit	SST-BWF1HH	• WiFi Cloud Communication and Wireless Device Communication • Hardwired Power • Hybrid DIN Rail and Panel Mount
SENSERT Cellular Base Unit	SST-BCA1HH	• Cellular Cloud Communication and Wireless Device Communication • Hardwired Power • Hybrid DIN Rail and Panel Mount
SENSERT Remote I/O Standard	SST-RBM1CP	• Bluetooth LE Cloud Communication and Wireless Device Communication • Combination Battery and Hardwired Power • Panel Mount
SENSERT Remote I/O Repeater	SST-RBM1HP	• Bluetooth Mesh Cloud Communication and Wireless Device Communication • Hardwired Power • Panel Mount

APPLICATIONS

Water

Agriculture

Oil & Gas

Communications

Manufacturing

Electronics

Medical

Industrial

Electricity

Food & Beverage
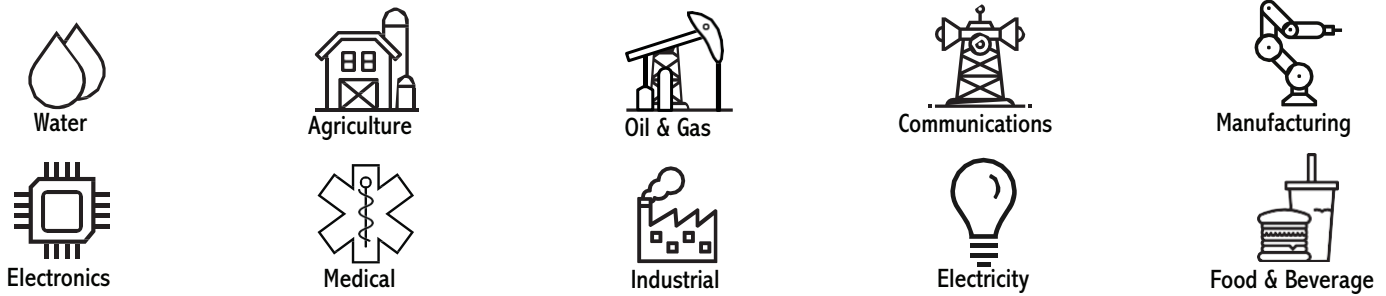
SENSERT ECOSYSTEM

SENSERT Base Unit

- Power Supply: 5-30 VDC
- Analog Input: 4 [0-20 mA, 4-20 mA, 0-5 V, 0-10 V]
- Digital Input: 2 [Dry Contact]
- Digital Output 1 [Relay]
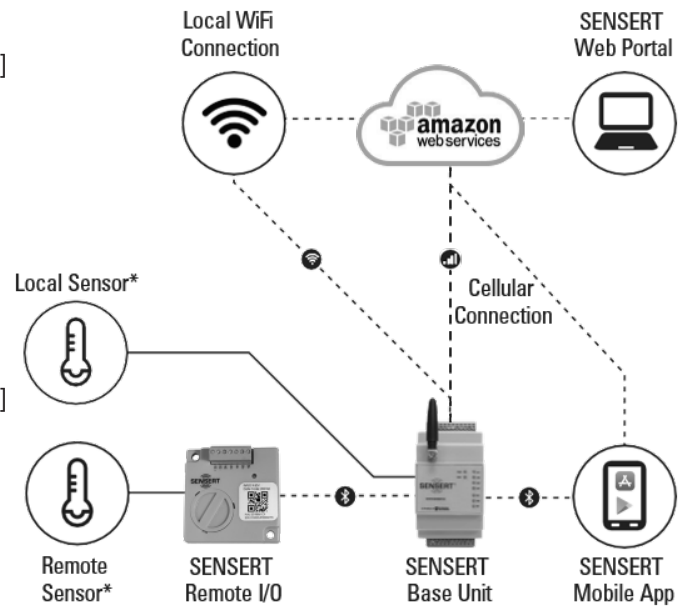- WiFi (Pictured) or Cellular Cloud Communication

SENSERT Remote I/O

- Power Supply: 12-24 VDC or battery [CR2450]
- Analog Input: 1 [0-20 mA, 4-20 mA, 0-5 V, 0-10 V]
- Digital Input: 1 [Dry Contact]
- Bluetooth LE or Mesh Communications

*Sensor

- Any type of sensor with analog output of 0-20 mA
  4-20 mA, 0-5 V, 0-10 V

Local WiFi Connection

SENSERT Web Portal

Local Sensor*

Cellular Connection

Remote Sensor*

SENSERT Remote I/O

SENSERT Base Unit

SENSERT Mobile App

SENSOR TYPES

Flow | Current/Load | Level | Temperature | Pressure | Humidity | Vibration