SENSERT™

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.
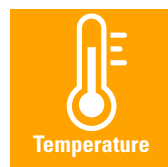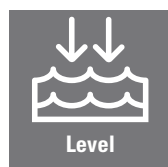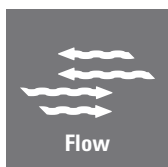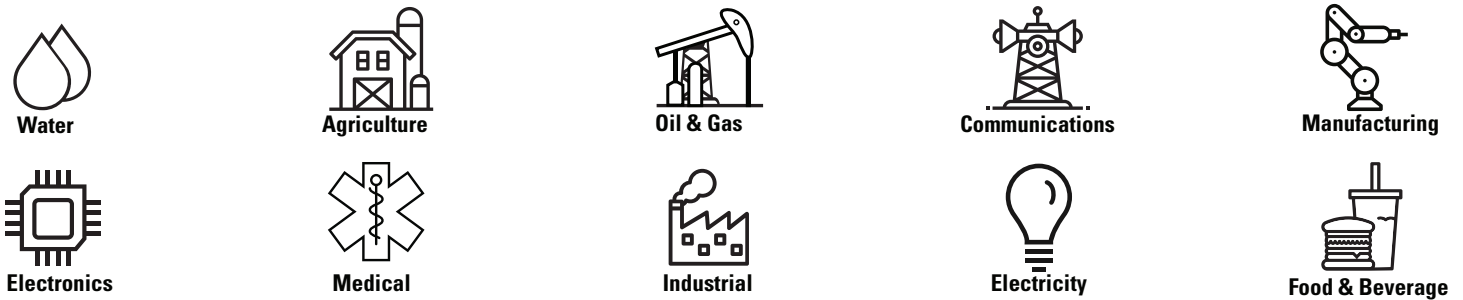
Features:

- 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

SENSERT Remote I/O		
Power Supply	9-30 VDC / 3V Battery 2450	
Analog Inputs	1 - 0-20 mA, 4-20 mA, 0-5 V, 0-10 V	
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 and 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 with the Base Unit from 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.	

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

SENSERT Applications

SENSERT is engineered to monitor any type of sensor in critical processes and provide alerts to the user based upon customizable thresholds. SENSERT can be utilized in many applications, such as:

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]
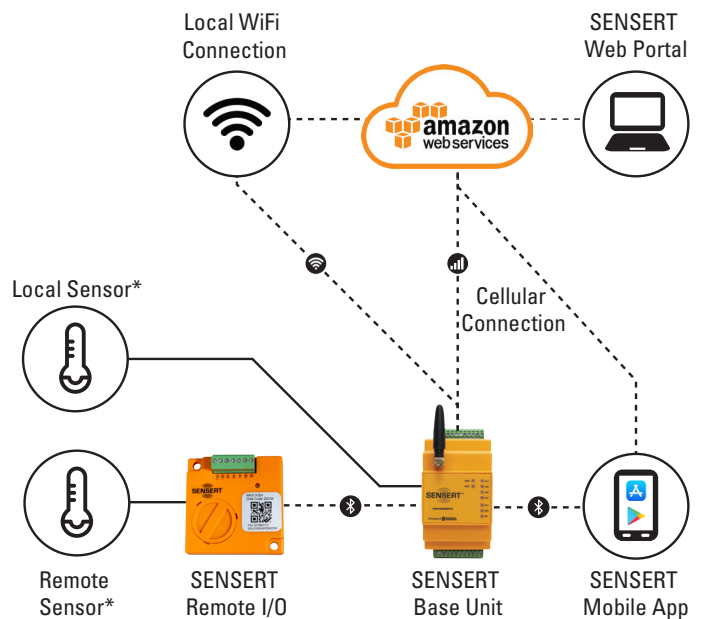- WiFi (Pictured) or Cellular Cloud Communication

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 Communication

*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

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

SENSERTio.com