SENSERT™

SENSERT™ is a wireless, cloud-based sensor monitoring and alert system. A variety of sensors, such as temperature, humidity, vibration, and pressure, can be hardwired directly to the SENSERT Base Unit or wirelessly connected via the SENSERT Remote I/O. Sensor data is monitored in real-time and alerts are triggered based upon customizable thresholds.

Features:

- Sensor Monitoring
- Real-Time Alerts
- Android/iOS
- Cloud Based Data (Wireless)
- Hardwire and Remote Sensor Compatibility

SENSERT Base Unit

Power Supply	5-30 VDC	
Analog Inputs	4 - 0-20 mA, 4-20 mA, 0-5 V, 0-10 V	
Digital Inputs	2 - Dry Contact or NPN Type	
Digital Output	1 - Relay (240 VAC, 5A)	
Internal Measurements	Temperature and Humidity	
Analog Channel Impedance	mA: 200 ohm V: 1M ohm	
Digital Inputs	Type	Dry Contact or NPN Type
	Logic Levels	Logical Level "0": From 0 to 0.5 VDC Logical Level "1": From 3 to 30 VDC
	Maximum Voltage	12 VDC
	Input Impedance	500k ohm
	Input Current @ 12 VDC (Typical)	24uA
	Maximum Frequency (Square Wave)	Dry Contact: 500 Hz NPN: 500 Hz
	Minimum Pulse Duration	Dry Contact: 2 ms NPN: 2 ms
Resolution	4096 (12 bit ADC)	
Report Interval	Configurable	
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	0.05 % for all inputs, 2% for internal measurements	
Communication	RS485 [FUTURE DEVELOPMENT]	
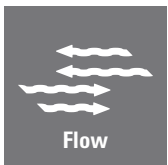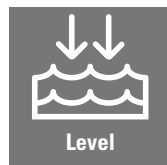
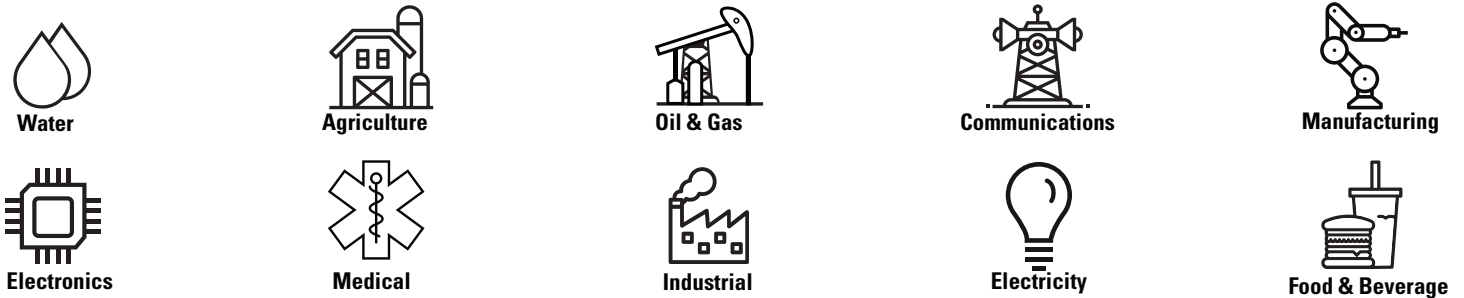Flow   Current/Load   Level   Temperature   Pressure   Humidity   Vibration
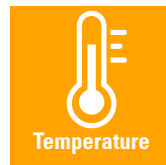
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SENSERT™

SENSERT Applications

SENSERT is engineered to monitor sensors in critical processes and provide alerts to the user in numerous environments. SENSERT can be utilized in the following 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 or NPN Type]
- Digital Output: 1 [Relay]
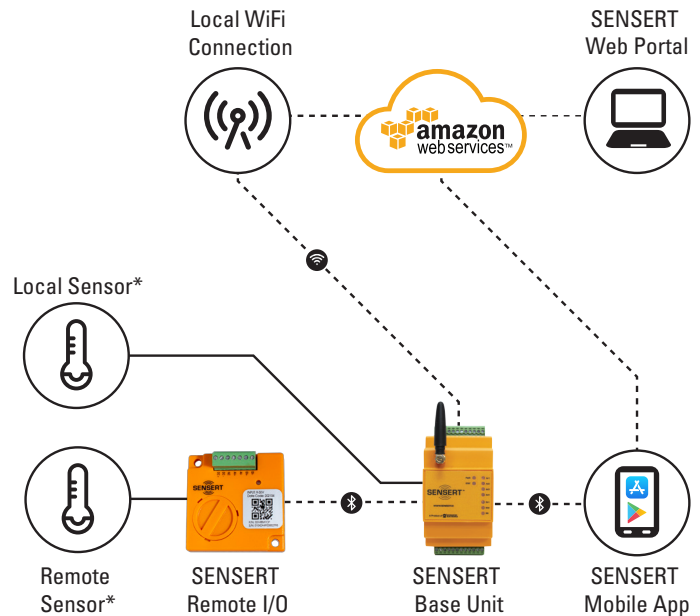- WiFi Cloud and Bluetooth-Mesh Device Communication

SENSERT Remote I/O
- Power Supply: 9-30 VDC or battery [2032]
- Analog Input: 1 [0-20 mA, 4-20 mA, 0-5 V, 0-10 V]
- Digital Input: 1 [Dry Contact]
- Bluetooth-Mesh Device 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*

Remote Sensor*   SENSERT Remote I/O   SENSERT Base Unit   SENSERT Mobile App

Ordering Information

Product	Product Number	Features
SENSERT Base Unit	SST-BWF1HH	• WiFi cloud communication • Combination wireless and hardwired device communication • Hardwired power • Hybrid DIN rail and panel mount
SENSERT Remote I/O	SST-RBM1CP	• Combination wireless and hardwired device communication • Combination battery and hardwired power • Panel mount