



3Sense 1.0

Intelligent device for field and remote monitoring



Description

Designed for field visualization and remote monitoring of humidity and temperature in environments that require precise tracking of these variables; comes with WEB platform support. 4 digits LCD Display.

Features

General

- Receives up to 2 Temperature sensors, and one Humidity and Room Temperature sensor.
- Wi-Fi, GPRS or Sigfox wireless transmission.
- Rechargeable Li-Ion Battery.

Visualization

For visualization of:

- Temperature and humidity current levels.
- Alarm limits configuration, among other parameters.

Alarms

- Inbuilt visual and sound alarms, and WEB platform support.
- External alarms by SMS, e-mail and Telegram messaging service

Contact Information

To reach 3Sense 1.0 manufacturer, refer to:

info@3sense.tech

USA: +1 (786) 584-7439

Colombia: +57 (4) 444-1109

WhatsApp +1 (786) 584-7439

Visit: www.3sense.tech

Ordering Information

HT031701-Wi-Fi	Device for two sensors and Wi-Fi (IEEE 802.11) 2.4 GHz
HT031701-GPRS	Device for two sensors and GPRS, quad band 850/ 900 /1800 /1900 Mhz.
HT031701-Sigfox	Device for two sensors and Sigfox, RC2 902 – 905Mhz / RC4 920 -923Mhz, 22dBm ERP
HTSE031701	Temperature sensor for 3Sense 1.0, -40 °F (-40°C) to 176°F (80.0°C).
HTSE031702	Humidity and Temperature sensor for 3Sense 1.0



POWER REQUIREMENTS

Parameter	Standard	Value	Units
Power Adapter	Mini USB A/AB plug	--	--
Max. Electric Current	--	0.15	A
DC Voltage	--	5	V

RECOMMENDED OPERATING CONDITIONS

Operating Conditions	Value	Units
Storage Temperature	50 (20) – 113 (45)	°F (°C)
Storage Humidity	60±25	% R.H./Non-Condensable
Ambient Temperature	32 (0) – 113 (45)	°F (°C)
Ambient Humidity	60±25	% R.H./Non-Condensable
Standard	Protection Type	
IEC standard 60529/ EN 60529	IP40 / Indoor use only	

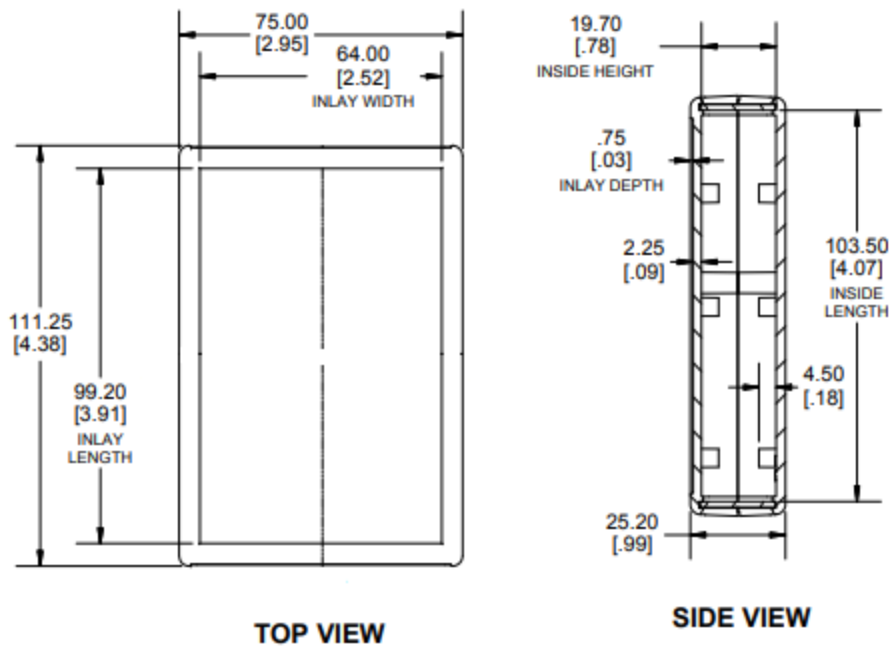
SUPPORTED APPLICATIONS

Purpose	Range	Common Fields
Humidity and temperature monitoring	RH: 0% to 99% T: -40°F (-40°C) to 176°F (80°C)	<ul style="list-style-type: none"> ✓ Laboratories. ✓ Blood banks. ✓ Pharmacies. ✓ Food processing and production plants. ✓ Veterinary services. ✓ Hospitals.
Temperature monitoring	T: -40°F (-40°C) to 122°F (50°C)	<ul style="list-style-type: none"> ✓ Freezers - Refrigerators - Cold rooms. ✓ Stability chambers. ✓ Incubators. ✓ Server Rooms. ✓ Flower farms. ✓ Cellars. ✓ Refrigerated transport.

WIRELESS SPECS

Device Type	Standard	Note
HT031701-Wi-Fi	Wi-Fi (IEEE 802.11) 2.4 GHz. WPA2 encryption.	Stores configuration data for up to 3 networks.
HT031701-GPRS	GPRS. Quad Band: 850/ 900 /1800 /1900MHz	Can be subscribed to any mobile phone operator.
HT031701-Sigfox	Sigfox, RC2 902 – 905Mhz / RC4 920 -923Mhz, 22dBm ERP	--

DIMENSIONS



Enclosure molded from GP ABS (UL94-HB) plastic. For further information concerning this enclosure, visit: [//goo.gl/8hnvTw](http://goo.gl/8hnvTw)
Weight: 150g, without accessories.

3Sense Web Platform and Services



3Sense 4.0 devices work in conjunction with 3Sense Web Platform.


Users can access 3Sense Platform, via WEB or APP, to perform:

- ✓ Remote monitoring and visualization of Temperature and R. Humidity records, in graphs and data tables, from up to 2 years.
- ✓ Alarm management for variables out of range, battery levels and AC power fails.
- ✓ Add comments to records.
- ✓ Set alarm limits, among other custom settings like sensors' names.
- ✓ Set alarm events such as e-mail or SMS notifications.




SENSORS' TECHNICAL SPECIFICATIONS

NTC Temperature Sensor (P/N HTSE031701)

Parameter	Value / Type	
Temperature Range	-40.0 °F (-40°C) to 122°F (50°C)	
Resolution	0.1 °F (0.1°C), over whole range	
Max. Error	1 °F (0.5°C), over whole range	
Probe Type	Stainless steel probe, PVC 2m. cable	

Temperature and Humidity Sensor (P/N HTSE031702)

Parameter	Value / Type	
Temperature Range	-40 °F (-40°C) to 176°F (80.0°C)	
Resolution	0.1 °F (0.1°C), over whole range	
Max. Error	1 °F (0.5°C), over whole range	
Relative Humidity Range	0 % to 99.9% RH	
Resolution	0.1%, over whole range	
Max. Error	.5%, over whole range .3%, over whole range after adjustment	
Probe Type	PVC case	