

GoSense TH-Stat ID™ NFC Temp & Humidity Sensor

PRELIMINARY

FEATURES

- Temperature & Humidity Sensor
- Ultra Low-Power
- Integral Data Logger
- Lightweight and Portable
- Small Size
- Battery or Batteryless Operation
- Wireless Data Transfer to Smartphone
- Fully Programmable
- Up to 1Mb Data Storage Space
- NFC and RFID Compatible
- 13.56 MHz (HF) Operating Frequency
- Various Packaging Options Available

TYPICAL APPLICATIONS

- Temperature and Humidity Measurement
- Indoor Air Quality Monitoring
- Low-Cost Weather Station
- Archives, Libraries and Document Storage
- Intelligent Packaging
- Cool Chain Logistics
- Field Based Measurements
- Short-Range Contactless Sensing
- Auto-ID Applications
- Wireless Sensor Networks
- Supply Chain Logistics
- Environmental Monitoring

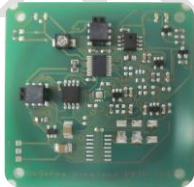
DESCRIPTION

The GoSense TH-StatID™ is a wireless temperature and relative humidity sensor with a built-in data logger. The TH-StatID™ can be read with RFID card readers and NFC-v enabled smartphones.

The GoSense TH-StatID™ is ideal for field-based, mobile, or indoor temperature and humidity measurement applications.

The GoSense TH-StatID™ will operate with or without batteries (semi-active or passive operation) and has a read range of up to 2.5 cm with NFC-v Smartphones or up to 1.5 m with an ISO15693 card RFID reader.

Different enclosure options are available for indoor, outdoor, mobile or rugged use.



SPECIFICATION SUMMARY

Measurement accuracy:
± 1.0 °C in range 0 – 70 °C
± 2% RH in range 20 – 80 %RH
± 3% RH in range 0 – 100 %RH

Read range:
NFC up to 2.5 cm
RFID up to 1.5 m

Operating Conditions:
- 30 to + 60 °C with battery
- 40 to + 85 °C without battery
0 – 100 %RH, non-condensing

Data Logger (requires battery)
4 kb memory
optional 1Mbit expansion memory
programmable out-of-limits function
14-bit ADC

Air interface:
ISO 15693 compliant
NFC-v compatible

Power Supply
Derived from NFC/RFID reader or from internal battery
Battery: 3V lithium coin cell, type CR2032

Size: e 100 x 70 x 15 mm (depending on enclosure)

Weight: e 25 - 100 g (depending on enclosure)

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