

# GoSense T-Stat ID™ NFC Temperature Sensor

PRELIMINARY

## FEATURES

- Ultra low-Power Temperature Sensor
- 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 Measurement
- Temperature Logging
- Mobile & Wearable Temperature Sensing
- Intelligent Packaging Solutions
- Cool Chain Logistics
- Low-Cost Field Based Measurements
- Short-Range Contactless Sensing
- Auto-ID Applications
- Wireless Sensor Networks
- Logistics
- Environmental Monitoring

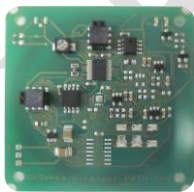
## DESCRIPTION

The GoSense T-StatID™ is a wireless temperature sensor and data logger compatible with RFID card readers and NFC-v enabled smartphones.

The GoSense T-StatID™ is ideal for mobile, portable, wearable, and intelligent auto ID or temperature measurement applications.

The GoSense T-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 RFID card reader.

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



## SPECIFICATION SUMMARY

Measurement accuracy:  
 $\pm 2.5$  °C over full temp range  
 $\pm 1.0$  °C over reduced temp range

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

Operating temperature:  
 - 30 to + 60 °C with battery  
 - 40 to + 90 °C without battery

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

Operating frequency: 13.56 MHz

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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