

## GoSense Acceler-Stat ID™ NFC 3-Axis Motion Sensor

PRELIMINARY

### FEATURES

- 3-Axis Accelerometer/Motion Sensor
- Ultra-Low Power Consumption
- Lightweight and Portable
- Battery or Batteryless Operation
- Wireless Data Transfer to Smartphone
- Password Protected
- Fully Programmable Data Logger
- Up to 1Mb Secure Data Storage Space
- NFC and RFID Compatible
- 13.56 MHz (HF) Operating Frequency
- Various Packaging Options Available

### DESCRIPTION

The GoSense Acceler-StatID™ is a wireless 3-axis motion sensor with a built-in data logger. The Acceler-StatID™ works with RFID readers and NFC-v enabled smartphones.

The GoSense Acceler-StatID™ is ideal for measuring tilt, acceleration, motion or vibration in X, Y and Z directions simultaneously.

The GoSense Acceler-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 available: indoor, outdoor, mobile and rugged.



Rev. 1. May 2013

### TYPICAL APPLICATIONS

- Tilt, Acceleration, Motion or Vibration Measurement in X,Y & Z-Axes
- Structural Health Monitoring
- Activity Monitoring
- Intelligent Packaging with Unique ID
- Fragile Goods Logistics
- Mobile & Portable Sensing and Detection
- Security Applications
- Tamper Evidence Logger
- Short-Range Contactless Sensing
- Wireless Sensor Networks

### SPECIFICATION SUMMARY

Measurement accuracy:  
±2.0% from -3g to +3g at 25 °C

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

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

Air interface:  
ISO 15693 compliant  
NFC-v compatible

Power Supply:  
Derived from NFC/RFID reader or 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)