



# Wireless Active ID Sensor

## Technical Overview

### General Description

The OEM RF Wireless Active ID Sensor is an RFID tag for asset identification and tracking.

### Principle of Operation

The OEM Wireless Active ID Sensor outputs an RF signal at set intervals to be received by the gateway and monitoring software. The sensor can be used as an identification tagging system for tracking purposes and can also trigger notifications via SMS text or email from the monitoring software if the sensor is within or outside of range from a wireless gateway.

### OEM Sensor Core Specifications


- Power: 3.0 V coin cell battery
- Communication: RF 900, 868 and 433 MHz
- Antenna: 4" wire antenna
- Operating Temperature: -40° to 85°C (-40° to 185°F)
- Device Range: 250 - 300 ft. non-line-of-sight\*
- Only 1 inch by 1 inch

\* Actual range may vary depending on environment.

### Applications

- Asset tracking and monitoring.
- Location tracking of school buses.
- Fleet vehicle management and tracking.
- Rental tool management.
- Construction asset monitoring.

## Specifications

Supply Voltage	2.0 - 3.6 VDC *
Current Consumption	0.7 µA (sleep mode) 2 mA (radio idle/off mode) 2 mA (measurement mode) 25 mA (radio RX mode) 35 mA (radio TX mode)
Electronics Operating Temperature Range	-40°C to +85°C ( -40°F to +185°F ) **
Available Operating Frequencies	900 MHz (25 Channels), 868 MHz (5 Channels) and 433 MHz (15 Channels)
Certifications	 900 MHz product; FCC ID: ZTL- RFSC1 and IC: 9794A-RFSC1. 868 and 433 MHz product tested and found to comply with: CISPR 22:2008-09 / EN 55022:2010 - Class B and ETSI EN 300 220-2 V2.4.1 (2012-05).

\* Hardware can not withstand negative voltage. Please take care when connecting a power device.

\*\* At temperatures above 100°C, it is possible to lose programmed memory.

For more product information, to get a quote, or to place an order, please contact our sales department at 801-561-5555. Visit us on the web at [www.oemsensors.com](http://www.oemsensors.com).

OEMSensors.com | 7304 South Cottonwood, Suite #204 | Midvale, Utah 84047 | 801-561-5555 | [www.oemsensors.com](http://www.oemsensors.com)