



# Documentation

## EVA3011 Quick Start Guide

### Table of Content

Revision History.....2  
First Steps to Use EVA Software .....3  
Select sensor Mode on tag.....3  
Calibration of external sensor.....3  
Start Monitoring .....3  
Contact .....4

### Revision History

| Version              | Date    | Changes       | Page |
|----------------------|---------|---------------|------|
| Initial Version V1.0 | 06/2010 |               |      |
| V1.1                 | 10/2010 | Reduced sites |      |

### First Steps to Use EVA Software

- physically connect reader with PC and Start Software
- Connect Reader via **Connect** button or menu **File**→**Connect Reader**
- use button **Inventory** to test connectivity to tag
- connect battery to EVA-Kit

### Select sensor Mode on tag

- go to tab **Sensor Monitor** for selection of various sensor modes
- checkbox **Temperature** (default and if no external sensor is available)
  - set **Log Mode**:
    - **Continuous** (measurement at every Log Interval, default) or
    - **Outband** (measurement at every Log Interval and out of defined Temp Limit range)
  - set **Temp Limit High** and **Temp Limit Low**
  - set **Temp Average** (default 0 for 2<sup>0</sup>)
  - set **Alarm Monitor Count** (default 20)
- checkbox **X-Sensor** (if available), checkbox **Y-Sensor** (if available and **X-Sensor** is connected)
  - external sensors must be calibrated before using, see "**Calibration of external sensors**"
  - go to tab **Sens Cap Def**
  - checkbox **Differential X-Sensor**, checkbox **Differential Y-Sensor** (if differential sensors are connected)
  - go to tab **Sensor Monitor**
- checkbox **Interrupt Mode**
  - set **Interrupt Area** (default 10)
  - set **Interrupt Time** (default 50 ms)
  - set **Delta X-Sense Limit High** and **Delta X-Sense Limit Low** (interrupt ranges)
- set Monitor Time variables
  - set **Startup Time** (default 0 min)
  - set **Log Intervall** (default 1 min)

### Calibration of external sensor

- go to tab **Sens Cap Def**
- checkbox **Differential X-Sensor**, checkbox **Differential Y-Sensor** (if differential sensors are connected)
- hold tag in defined static mode on reader antenna
- checkbox **auto** (default on)
- click button **Calibration**
- wait until **Calibration completed successfully**

### Start Monitoring

- ensure that all settings and the calibration have been made
- click button **Start Monitor**
- all defined settings on **Sensor Monitor** and **Sens Cap Def** would be saved to Tag and the monitoring will be started
- wait until **Logging Started ...**

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