

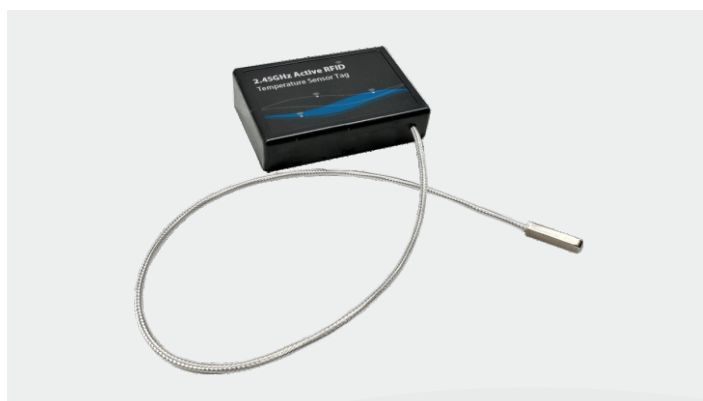
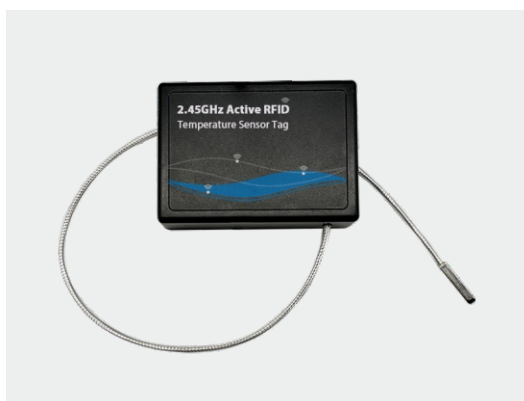


# RS-AT11

2.45GHz RFID Active Temperature SensorTag

## RS-AT11 2.45GHz RFID Active Temperature Sensor Tag

RS-AT11 is an RFID active electronic tag operating in the 2.45GHz frequency band, with an external temperature sensor for more accurate measurement of object and environmental temperature and send the data in realtime.



### Functional Characteristics Specification

- Low-power consumption design.
- Long battery life.
- Supports 8-byte basic ID.
- High impact strength PVC engineering plastic shell.
- Instantly collect and send target temperature data, with temperature measurement accuracy of  $\pm 2^{\circ}\text{C}$ .

#### Physical Features

|                  |                                              |
|------------------|----------------------------------------------|
| Dimensions       | 55x58x20mm                                   |
| Working Temp     | -30°C~+70°C                                  |
| Storage Temp     | -40°C~+80°C                                  |
| Tagging          | Sewing, Insert                               |
| Working Humidity | 5%~95% (Without condensation)                |
| Sensor type      | PT100 platinum resistance temperature sensor |
| Probe wire       | Three core silver plated PTFE mask wire      |
| Wire length      | 30cm (customizable)                          |
| Probe type       | square (customizable)                        |

#### RFID Features

|                      |                               |
|----------------------|-------------------------------|
| Operating frequency  | 2.4-2.48GHz                   |
| Output power         | 0dBm                          |
| Sending interval     | 1 second                      |
| Reading distance     | >80 meters (Open environment) |
| Measurement range    | 0 ° C~+210 ° C                |
| Measurement accuracy | $\pm 2^{\circ}\text{C}$       |



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