# NBIoT Ambient Temperature Sensor WSNB-ATE

**SKU: WSNB-ATE**

**Doc No**: WSNB-ATE-DS-EN-10

## Introduction

WSNB-ATE is an NBIoT sensor using a Digital temperature sensor that delivers highly accurate measurements in the range of -40°C to + 85°C. The device has built-in NBIoT connectivity module to allow it connect to any IoT platform.

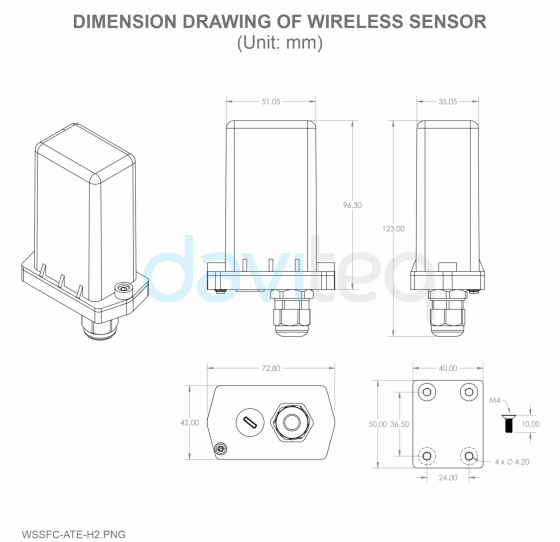
- Digital High-Accuracy Sensor;
- Global band NBIoT / Cat M1 / GPRS;
- Plug & Play;
- Data logging up to 140.000 records;
- Sending alarm messages for Hi-Lo Temperature;
- Sending alarm message for Power cut-off (to monitor power supply of machine)
- Notification when communication drop.

## Typical Applications

- Ambient temperature Monitoring for Fridge, Freezer;
- Ambient temperature Monitoring for Factory / Building;
- Ambient temperature Monitoring for Warehouse;
- Ambient temperature Monitoring for Data Center;
- Ambient temperature Monitoring for HVAC;




WSSFC-ATE-H1.PNG




WSSFC-ATE-H2.PNG




## Specification

| | |
|---|---|
| **SENSOR SPECIFICATION** | |
| Sensor | Digital type, factory calibrated |
| Measuring range | -40°C .. + 85°C |
| Accuracy | +/- 0.5°C |
| Resolution | 0.125°C |
| Sensor protection material / Rating | PA / IP68 (for version with sensor cable) |
| Cable length | 300 or 900mm |
| **NBIoT SPECIFICATION** | |
| Connectivity | LTE Cat M1/NB1 with Global band (B1, B2, B3, B4, B5, B8, B9, B10, B12, B13, B17, B18, B19, B20, B25, B26, B27, B28, B66 ) and 2G-Quadband fall back, standard internal antenna, optional external antenna |
| Antenna | Internal Antenna, optional external antenna |
| Configuration | via offline USB cable (PC software is supplied at free) |
| Power Supply | 7..48VDC, avg 200mA, peak 1.5A |
| Back-up battery | 200mAh Lithium ion |
| RF Module complies to | CE, FCC, ARIB |
| Working temperature | -40°C..+85°C |
| Dimensions | H140xW73xD42 |
| Net-weight | 250 grams |
| Housing | Engineering Plastic, IP54 for Indoor |
| Mounting | Wall mount bracket |

## Ordering Code

| Item code | Descriptions |
| --- | --- |
| WSNB-ATE-12-300 | NBIoT AMBIENT TEMPERATURE SENSOR, 300MM CABLE TYPE , INTERNAL ANTENNA, 7..48 VDC |
| WSSFC-ATE-12-900 | NBIoT AMBIENT TEMPERATURE SENSOR, 900MM CABLE TYPE , INTERNAL ANTENNA, 7..48 VDC |

⚠ Link for full datasheet:

⚠ Link for manual:


**Daviteq Technologies Inc**

www.daviteq.com | info@daviteq.com



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