SIGFOX INTEGRATED HUMIDITY & TEMPERATURE SENSOR

daviteq

SKU: WSSFC-ATH

SIGFOX NODE INTERGRATED HUMIDITY & TEMPERATURE
WSSFC-ATH

sigfox

10-Year

IP67 WEATHERPROOF

WSSFC-ATH-H1.PNG

WSSFC-ATH is the Sigfox Integrated Ambient Humidity & Temperature Sensor, it utilises Digital capacitance humidity sensor to deliver high accuracy and stable measurement. The sensor probe comes with Integral type for the most applications, while the Remote type sensor with cable allows customer to install the sensor in applications where the sensor probe and wireless transmitter part need to be separated. The sensor will transmit data in kilo-meters distance to Sigfox basestation. WSSFC-ATH can support all regions of Sigfox network in over the World, RC1, RC2, RC3, RC4, RC5, RC6, RC7. Some typical applications are environment monitoring for office, warehouse, data-center, hospital, agriculture...

✓ **SIGFOX READY**
Device are best operating performance on the SIGFOX network

✓ **10 YEAR BATTERY**
Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology allow the sensor can last up to 10 years with a 2 x AA Type battery.

✓ **HIGH ACCURACY & STABLE**
Digital sensor with factory-calibration

✓ **SINTERED FILTER**
Alloy sintered filter to protect sensor in hash environment

Sigfox Wireless Sensor for Monitoring Humidity and Temperature in Datacenter

WSSFC-ATH-H2.PNG

SPECIFICATION

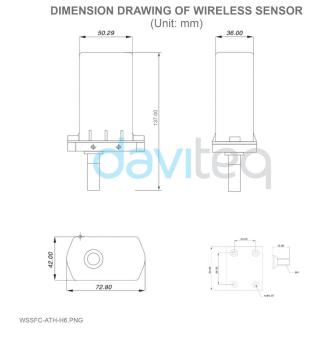| SENSOR SPECIFICATION :	
Sensor	Digital type, factory calibrated, output both Humidity & Temperature values
Sensor Type	Integral or Remote type with cable
Humidity measuring range & accuracy	0 .. 100 %RH, +/- 2.0%
Humidity resolution	0.1%
Temperature measuring range & accuracy	-40 .. + 85 oC, +/- 0.2 oC
Temperature resolution	0.1 oC
Sensor Filter	20um Alloy sintered filter
Sigfox SPECIFICATION:	
Sigfox zones	select RC2-RC3-RC4-RC5 or RC1-RC6-RC7
Antenna	Internal Antenna 2.67 dbi
Battery	02 x AA Type 1.5VDC, working time up to 10 years (depends on configuration)
RF Module complies to	CE, FCC, ARIB
Working temperature	-40oC..+60oC (using Energizer Lithium Ultimate AA battery)
Dimensions	H137xW73xD42
Net-weight	250 grams
Housing	Polycarbonate & POM plastic, IP67

Sigfox Wireless Sensor for Monitoring
Humidity and Temperature in Greenhouse

WSSFC-ATH-H3.PNG

Sigfox Wireless Sensor for Monitoring
Humidity and Temperature in Warehouse

WSSFC-ATH-H4.PNG

SYSTEM ARCHITECTURE

Sigfox stations
Over 1 million messages can be processed per base station per day

Sigfox CLOUD™
Web interface
API
Callbacks

IoT Platforms   Customer IT

Sigfox Sensors

WSSFC-ATH-H5.PNG

DIMENSION DRAWING OF WIRELESS SENSOR
(Unit: mm)

WSSFC-ATH-H6.PNG

RECOMMENDED BATTERIES

E91 AA Alkaline battery

-18 .. + 60 oC working temperature

10-year shelf life

3000 mAH Capacity

Price: 1X

L91 AA Lithium battery

-40 .. + 60 oC working temperature

20-year shelf life

3500 mAH Capacity

Price: 3.5X

WSSFC-ATH-H7.PNG

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WSSFC-ATH-H8.PNG

ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
WSSFC-ATH-9-11	Sigfox sensor with Integral Humidity & Temperature sensor with sintered metal protection filter, Pre-Calibrated, Internal antenna, Type AA battery 1.5VDC, IP67, RC2-RC3-RC4-RC5 zones
WSSFC-ATH-8-11	Sigfox sensor with Integral Humidity & Temperature sensor with sintered metal protection filter, Pre-Calibrated, Internal antenna, Type AA battery 1.5VDC, IP67, RC1-RC6-RC7 zones
WSSFC-ATH-9-12-300	Sigfox sensor with Integral Humidity & Temperature sensor with sintered metal protection filter, Remote type 300mm cable, Pre-Calibrated, Internal antenna, Type AA battery 1.5VDC, IP67, RC2-RC3-RC4-RC5 zones
WSSFC-ATH-8-12-300	Sigfox sensor with Integral Humidity & Temperature sensor with sintered metal protection filter, Remote type 300mm cable, Pre-Calibrated, Internal antenna, Type AA battery 1.5VDC, IP67, RC1-RC6-RC7 zones