

# LORAWAN HUMIDITY & TEMPERATURE SENSOR

SKU: WSLRW-ATH

LoRaWAN INTERGRATED HUMIDITY & TEMPERATURE SENSOR  
WSLRW-ATH

LoRaWAN



WSLRW-ATH-H1.PNG

WSLRW-ATH is the LoRaWAN 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. With Ultra-low Power design and smart firmware allow the sensor can last up to 10 years with 02 x AA-type battery (depends on configuration). The sensor will transmit data in kilo-meters distance to LoRaWAN gateway, any brand on the market. Some typical applications are environment monitoring for office, warehouse, data-center, hospital, agriculture...

✓ **LORAWAN COMMUNICATION**  
LoRaWAN communication standard to allow sensor connect to any LoRaWAN Gateway on the market

✓ **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 02 x AA batteries

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

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

LoRaWAN Wireless Sensor for Monitoring Humidity and Temperature in Datacenter



WSLRW-ATH-H2.PNG

**DAVITEQ TECHNOLOGIES INC**

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## 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
LoRaWAN SPECIFICATION:	
Data rate	625bps .. 50kbps
Antenna	Internal Antenna 2.67 dbi
Battery	02 x AA size 1.5VDC, battery not included
RF Frequency and Power	860..930Mhz, +14 .. +20 dBm, configurable for zones: EU868, IN865, RU864, KR920, AS923, AU915, US915
Protocol	LoRaWAN, class A
Data sending modes	Interval time and when alarm occurred
RF Module complies to	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Vietnam Type Approval	TBA soon
Working temperature	-40oC..+60oC (with AA L91 Energizer)
Dimensions	H137xW73xD42
Net-weight	250 grams
Housing	Polycarbonate & POM plastic, IP67

### LoRaWAN Wireless Sensor for Monitoring Humidity and Temperature in Greenhouse



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### LoRaWAN Wireless Sensor for Monitoring Humidity and Temperature in Warehouse



WSLRW-ATH-H4.PNG

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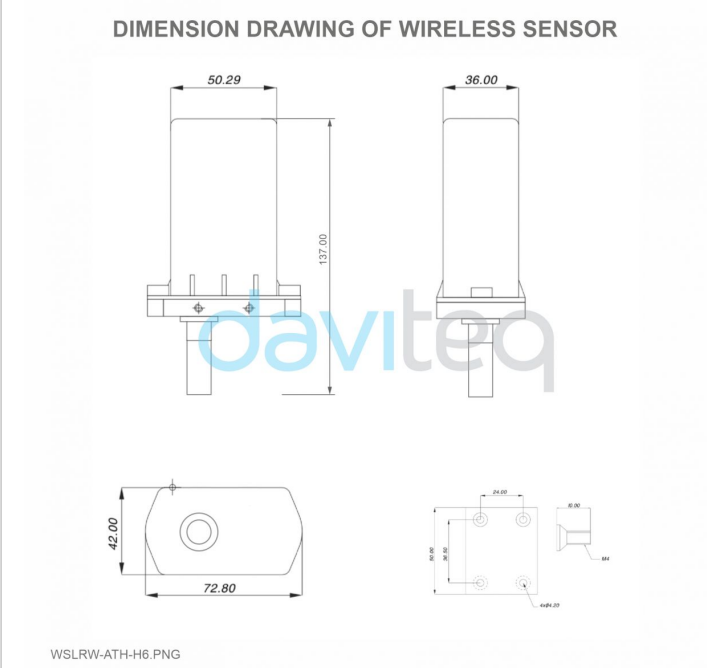
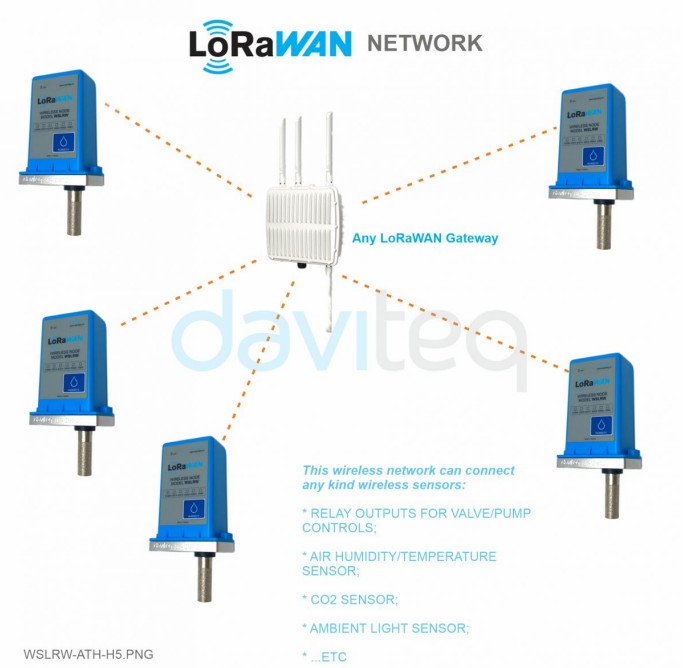
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**RECOMMENDED BATTERIES FOR LoRaWAN SENSOR**

<p><u>E91 AA Alkaline battery</u></p>  <p>-18 .. + 60 oC working temperature 10-year shelf life 3000 mAH Capacity Price: 1X</p>	<p><u>L91 AA Lithium battery</u></p>  <p>-40 .. + 60 oC working temperature 20-year shelf life 3500 mAH Capacity Price: 3.5X</p>
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## ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
WSLRW-ATH-9-11	Wireless LoRaWAN Integral Humidity & temperature sensor with sintered metal protection filter, Internal antenna, Type AA battery 1.5VDC, IP67, 900-930 Mhz for KR920, AS923, AU915, US915
WSLRW-ATH-8-11	Wireless LoRaWAN Integral Humidity & temperature sensor with sintered metal protection filter, Internal antenna, Type AA battery 1.5VDC, IP67, 860-870 Mhz for EU868, IN865, RU864
WSLRW-ATH-9-12-300	Wireless LoRaWAN Humidity & temperature sensor with sintered metal protection filter, Remote type 300mm cable, Internal antenna, Type AA battery 1.5VDC, IP67, 900-930 Mhz for KR920, AS923, AU915, US915
WSLRW-ATH-8-12-300	Wireless LoRaWAN Humidity & temperature sensor with sintered metal protection filter, Remote type 300mm cable, Internal antenna, Type AA battery 1.5VDC, IP67, 860-870 Mhz for EU868, IN865, RU864

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