

WIRELESS AMBIENT HUMIDITY SENSOR



SKU: WS433-M12F-ATH

AMBIENT HUMIDITY / TEMPERATURE WIRELESS SENSOR



HUMIDITY SENSOR - COMPACT TYPE



HUMIDITY SENSOR - EXTENSION CABLE TYPE

WS433-M12F-ATH-H1.PNG

Wireless Ambient Humidity & Temperature Sensor is a combination of wireless sensor transmitter WS433-M12F and sensor ATH, it utilizes Digital sensor delivers high accuracy measurement.

- ✓ **RELIABLE & SECURED WIRELESS CONNECTION**
Sub-Ghz technology from Texas Instruments allows reliable wireless connection and secured data by AES-128

- ✓ **10-YEAR WITH A SINGLE BATTERY**
Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology from Texas Instruments allow the sensor can last up to 10 years with a single battery AA.

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

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

AMBIENT HUMIDITY / TEMPERATURE SENSOR PROBES

0 ... 100% RH +/- 2.0% Accuracy



ATH-11



ATH-12-XXX

WS433-M12F-ATH-H2.PNG

DAI VIET CONTROLS & INSTRUMENTATION COMPANY LTD.

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SEP-2019 | Doc No. WS433-M12F-ATH-DS-EN-01

SPECIFICATION

SENSOR SPECIFICATION :	
Sensor	Digital type, factory calibrated, output both Humidity & Temperature values
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
Electrical connection	M12-male connector
WIRELESS TRANSMITTER SPECIFICATION :	
Data speed	Up to 50kbps
Transmission distance, LOS	1000m
Antenna	Internal Antenna
Battery	01 x AA 1.5-3.6VDC, up to 10-year operation, depends on configuration
Frequency Band	ISM 433Mhz, Sub-GHz technology from Texas Instrument, USA
International Compliance	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Vietnam Type Approval Certification	QCVN 73:2013/BTTTT, QCVN 96:2015/BTTTT (DAVITEQ 800122019)
Security Standard	AES-128
Operating temperature of PCB	-40oC..+60oC (with AA L91 Energizer)
Housing	Poly-carbonate, IP67
Installation method	L-type bracket SUS304 , by M4 screws or double-sided 3M tape (included)
Product dimensions & weight	125x30x30mm, < 60g (without battery)
Box dimension & gross weight	190x50x50mm, < 100g

RECOMMENDED BATTERIES

E91 AA Alkaline battery

-18 .. + 60 oC working temperature

10-year shelf life

3000 mAh Capacity

Price: 1X

WS433-M12F-ATH-H3.PNG

L91 AA Lithium battery

-40 .. + 60 oC working temperature

20-year shelf life

3500 mAh Capacity

Price: 3.5X

BATTERY INSTALLATION



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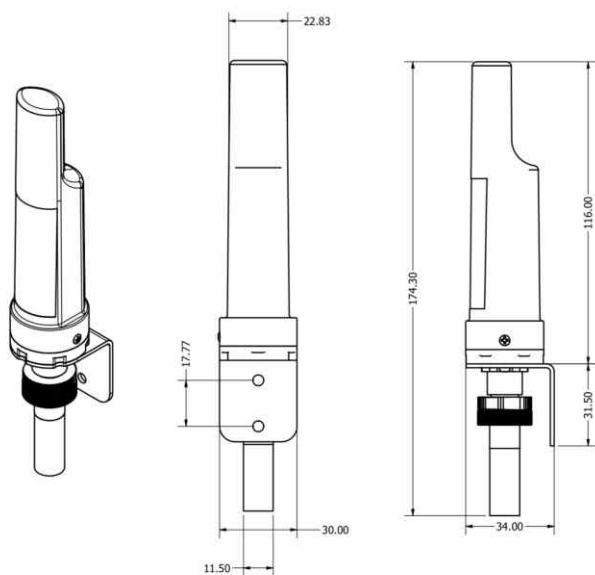
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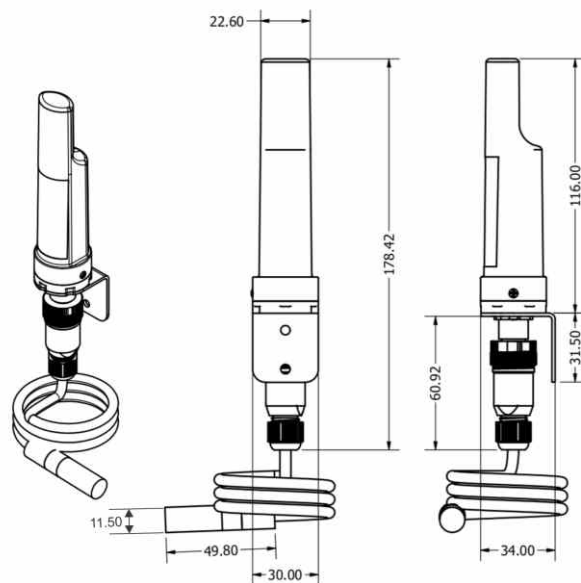
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DIMENSION DRAWING OF COMPACT HUMIDITY SENSOR



WS433-M12F-ATH-H5.PNG

DIMENSION DRAWING OF CABLE TYPE HUMIDITY SENSOR



WS433-M12F-ATH-H6.PNG

CARTON BOX OF WIRELESS SENSOR



SIZE: 50x50x190MM

WS433-M12F-ATH-H7.PNG

PRODUCT PACKAGE INCLUDES



WS433-M12F-ATH-H8.PNG

ORDERING INFORMATION

WS433-M12F	Wireless Sensor Transmitter 433Mhz, compatible with all DULP sensor modules, AA 1.5VDC battery, IP67
ATH-11	Compact ambient Humidity & Temperature Sensor DULP module, M12-male connector
ATH-12-300	300mm Cable type ambient Humidity & Temperature Sensor DULP module, M12-male connector

NOTES

* Must order for both wireless transmitter and sensor module
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