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MIKSTER WSTHD-800-01-DS Radio Temperature and Humidity Sensor Owner's Manual

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Contents

WSTHD-800-01-DS Radio Temperature and Humidity Sensor

Product Information

The WSTHD-800-01-DS is a radio temperature and humidity sensor that measures the temperature and humidity in a given area. The device has a measuring range of -40oC to 85oC for temperature and 0% to 100% for humidity. It has an accuracy of 0.1oC for temperature measurement and a resolution of humidity measurement. The device is powered by a 3.6V lithium battery that has a battery life of not less than 2 years. It has an operating frequency of 868.4 MHz and an internal measuring buffer of 136 hours recording every 1 minute. The device has a degree of protection of IP65, polycarbonate and is EMC compliant.

Product Usage Instructions

To use the WSTHD-800-01-DS radio temperature and humidity sensor, follow the steps below:

1. Install the device by mounting it on a wall or any other surface in the desired location.
2. Ensure that the device is within the operating conditions for the housing sensor, which is a temperature range of -30oC to 85oC and humidity range of 0% to 75%.
3. Turn on the device by inserting the 3.6V lithium battery.
4. Wait for the device to start recording data, which can be up to 136 hours recording every 1 minute.
5. To access the recorded data, connect to the device using the operating frequency of 868.4 MHz.
6. If necessary, replace the battery after not less than 2 years of use.

For further information or assistance, please refer to the product manual or contact MIKSTER Sp. z o.o. at **info@mikster.pl**.
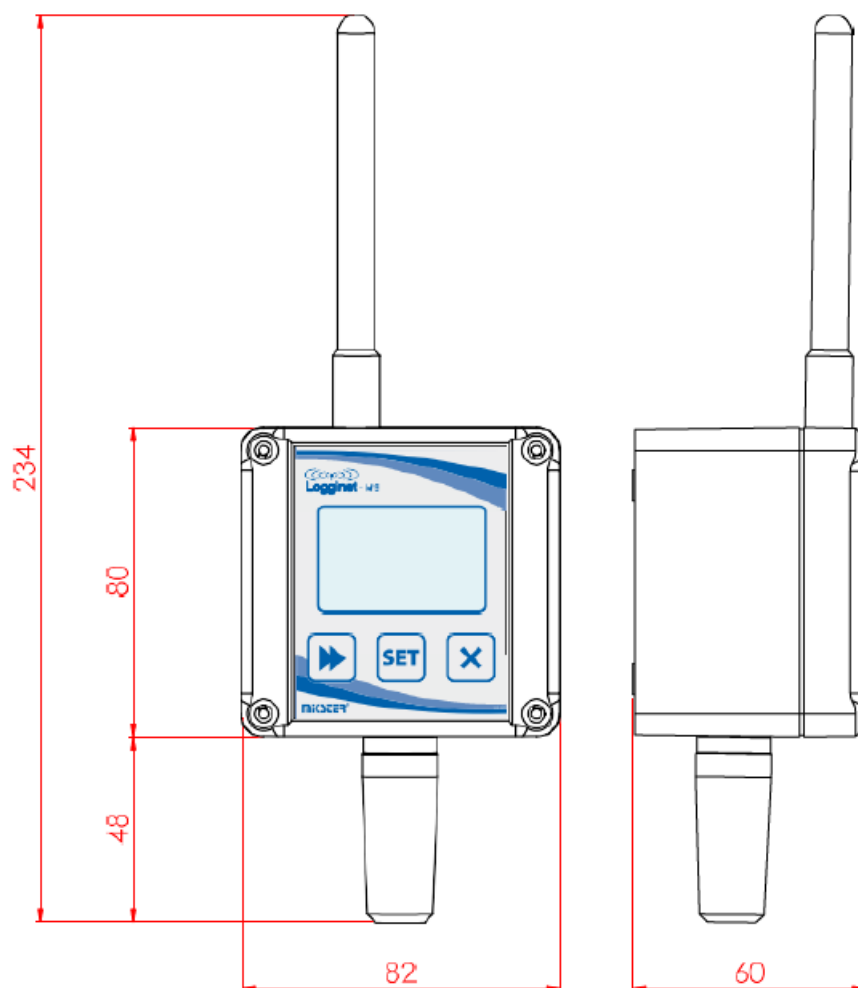
WSTHD-800-01-DS Radio temperature and humidity sensor

DESCRIPTION

A radio temperature and humidity sensor is a measurement module, the reading of which is possible through a radio connection. Its use is recommended in places where creating a wired installation is difficult or inadvisable. The sensor enables a continuous registration of temperature and humidity up to 136 hours
with a frequency of registration every 1 minute. The sensor's registration can be read by a radio recording unit connected to a computer with LOGGISOFT software installed. Built-in LCD display facilitates operating the device and enables local visualization of the measurements.

Sensor dimensions WSTHD-800-01-DS:

Technical data	
Measuring range of the probe temperature	–40oC..85 oC
Accuracy of the probe measurement for the temperature range	±0,5 oC (-20°C .. +85°C) ±2 oC (-40°C .. -20°C)
Measurement resolution temperature	0,1 oC
Probe measuring range humidity	0..100% (-30oC..85 oC)

Accuracy of humidity measurement	±3% RH (in the range 15..85%) ±3..5% RH (in the remaining range)
Resolution of humidity measurement	1,0%
Power	Lithium battery 3.6V
Battery life	Not less than 2 years
Operating conditions for the housing sensor	-30°C .. +85°C Humidity: 0..75%
Storage conditions	Temperature: -30oC..85 oC Humidity: 0..75%
Electromagnetic compatibility (EMC)	Immunity acc. to PN-EN61000-6-2
Data transmission	Operating frequency 868.4 MHz
Internal measuring buffer	136 hours (recording every 1 minute)
Installation data	
External dimensions	Housing: 82x80x60mm (W/HD) with antenna and temperature sensor 82x234x60mm
Weight	210g

Dimensions of temperature and humidity probe	Długość 48mm, średnica ø19,5mm Length 48mm, diameter ø19.5mm Length 75mm*, diameter ø19.5mm
Mounting	4 holes ø4,2mm spacing 70mm heigh*tS5o0nmd mna przewodzie o długości 2,5m
Degree of protection, housing	IP65, polycarbonate

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Documents / Resources

	[MIKSTER WSTHD-800-01-DS Radio Temperature and Humidity Sensor](#) [pdf] Owner's Manual WSTHD-800-01-DS Radio Temperature and Humidity Sensor, WSTHD-800-01-DS, Radio Temperature and Humidity Sensor, and Humidity Sensor, Humidity Sensor

References

- 🌐 **[Forpsi.com](#)**
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