



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.

Technical data	
Measuring range of the probe temperature	-40°C..85°C
Accuracy of the probe measurement for the temperature range	±0,5°C (-20°C .. +85°C) ±2°C (-40°C .. -20°C)
Measurement resolution temperature	0,1°C
Probe measuring range humidity	0..100% (-30°C..85°C)
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: -30°C..85°C 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 height 50mm *66d na przewodzie o długości 2,5m
Degree of protection, housing	IP65, polycarbonate

Sensor dimensions WSTHD-800-01-DS:

