



# MIKSTER LCRTTH-01 Temperature and Humidity Sensor Owner's Manual

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**MIKSTER LCRTTH-01 Temperature and Humidity Sensor**



## Product Information

The LCRTH-01(K2,5) Temperature and humidity sensor is a device that measures temperature and humidity levels. The sensor has a measuring range of -40oC to 85oC with an accuracy of 0.1oC. It also has a humidity measuring range of 0% to 100% with a resolution of humidity measurement. The device is powered by a lithium battery with a life expectancy of not less than 2 years. The sensor operates at a frequency of 868.4 MHz and has an internal measurement buffer that stores up to 384 measurements every 10 minutes for up to 64 hours.

## Specifications

- **Measuring Range (Temperature):** -40oC to 85oC
- **Accuracy (Temperature):** 0.1oC
- **Measuring Range (Humidity):** 0% to 100% (-30oC to 85oC)
- **Resolution (Humidity):** N/A
- **Power:** Lithium battery 3.6V
- **Battery life:** Not less than 2 years
- **Data transmission:** Operating frequency 868.4 MHz
- **Internal measurement buffer:** 384 measurements every 10 min.
- **Operating conditions (Housing sensor):** Temperature: -30oC to 85oC, Humidity: 0% to 75%
- **Storage conditions:** N/A
- **Weight:** 55g
- **Degree of protection, housing:** N/A
- **Sensor Dimensions (LCRTH-01):** 110x36x35mm (W, H, D) with antenna and humidity sensor
- **Dimensions of temperature and humidity probe:** Sond an przewodzie o dlugosci 2,5m, 110x139x35

## Product Usage

The LCRTH-01(K2,5) Temperature and humidity sensor is easy to use. Simply place the sensor in the area where you want to measure temperature and humidity levels. The device will measure the levels and store the data in its internal measurement buffer. The device is powered by a lithium battery which has a life expectancy of not less than 2 years.

In case of a lack of communication with the recorder, the sensor stores data in its internal buffer for up to 64 hours. To access the stored data, you will need to connect the sensor to a compatible recorder or device that can read the data from its internal buffer.

The sensor is designed for use in a variety of settings such as homes, offices, and industrial settings. It is important to note that the device has operating conditions for its housing sensor. The temperature should be between -30oC to 85oC and humidity should be between 0% to 75%. It is important to keep the sensor within these operating conditions to ensure accurate readings.

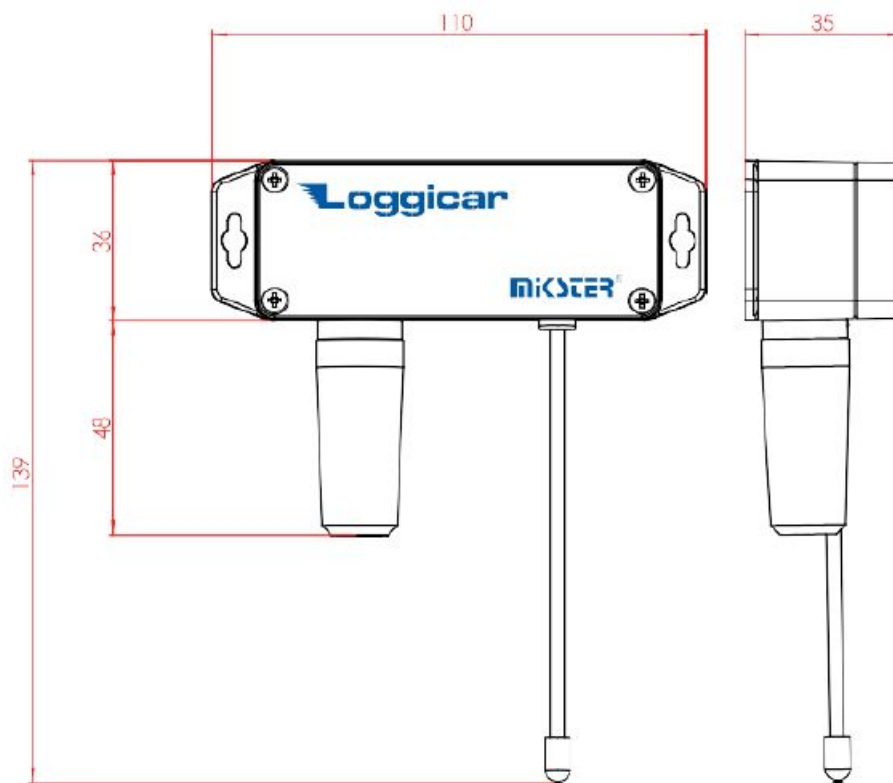
If you have any questions or concerns about using the LCRT-01(K2,5) Temperature and humidity sensor, please refer to the product manual or contact the manufacturer for assistance.

## DESCRIPTION

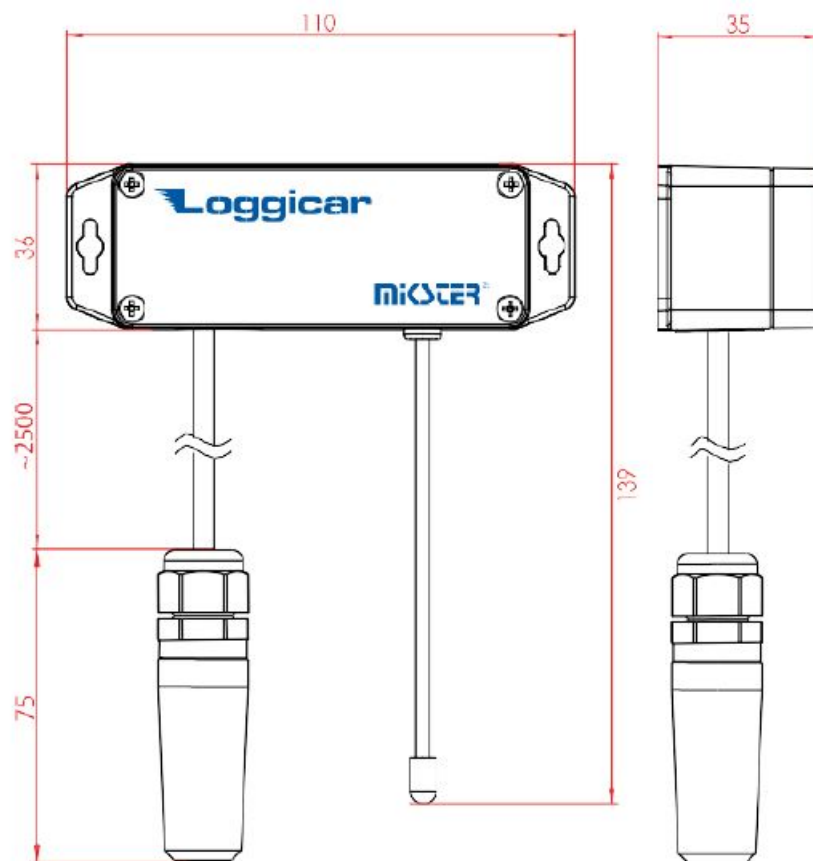
The LCRT-01 sensor is designed for temperature and humidity measurements in trailers or refrigerated trucks. The sensor's housing is adapted for wall mounting. Using a radio temperature and humidity sensor is recommended in places where creating a wired installation is difficult or not advisable. The sensor enables wireless temperature and humidity measurement in the Loggicar-R system. Additionally, the sensor has a backup recording buffer allowing for storing measurements from the last 64 hours.

## Dimensions

### Sensor dimensions LCRT-01:



### Sensor dimensions LCRT-01(K2,5):



## Technical data

Technical data	
Measuring range of the probe	-40°C..85 °C
Accuracy of the probe measurement (temperature range)	±0,5 °C (-20°C .. +85°C) ±2 °C (-40°C .. -10°C)
Measurement resolution temperature	0,1 °C
Zakres pomiarowy <b>sondy</b> wilgotności	0..100% (-30°C..85 °C)
Probe measuring range humidity	±3% RH (in the range 15..85%) ±3..5% RH (other ranges)
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 measurement buffer	384 measurements every 10 min.  (In case of lack of communication with the with the record er the sensor stores data in its internal buffer  for 64 hours)
<b>Installation data</b>	
External dimensions	Housing: 110x36x35mm (W, H, D)  with antenna and humidity sensor. 110x139x35
Weight	55g
Dimensions of temperature and humidity probe	Length 48mm, diameter ø19.5mm Length 75mm*, diamet er ø19.5mm
Mounting	2 holes ø5,2mm spacing 100mm
Degree of protection, housing	IP65, polycarbonate

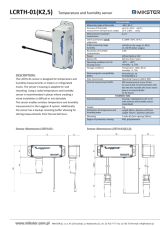
## Contact Information

MIKSTER Sp. z o.o. 41-250 Czeladź, ul. Wojkowicka 21, tel. 32 763 77 77

**fax:** 32 763 75 94

**email:** [info@mikster.pl](mailto:info@mikster.pl). [www.mikster.com.pl](http://www.mikster.com.pl).

## Documents / Resources

	<p><b><a href="#">MIKSTER LCRTH-01 Temperature and Humidity Sensor</a></b> [pdf] Owner's Manual LCRTH-01 Temperature and Humidity Sensor, LCRTH-01, Temperature and Humidity Sensor, Humidity Sensor</p>
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## References

-  [Forpsi.com](#)
-  [Forpsi.com](#)