NG-TH169

Room Temperature and Humidity 169MHz radio sensor

✔ **No wires or cable**
✔ **2,5 km transmission extension in open field with line of sight**
✔ **Low consumption and over 5 years long batteries lifespan**
✔ **Works with AAA type batteries**
✔ **High measurement accuracy**
✔ **Real time data visualisation**
✔ **Modern and understated design, suitable for top class environments**

> NG-TH169 uses radio broadcast to transmit measurements to the NG-W169 receivers, which are equipped with RS485 RTU Modbus.
> 2 Alkaline 1.5V AAA batteries.
> Batteries' lifespan up to 5 years with 300 daily sendings, over 6 years with sendings varying with the measurements: should the temperature remain constant, the sensor won't send any data thus increasing the batteries' lifespan.
> LCD display allows viewing of measurements (Temperature and Humidity)
> The new 169MHz radio frequency band allows covering distances up to 2,5 km.
> Low battery warning shown on the display and transmitted via radio, 30 days in advance.

Measurement accuracy

The range of temperature that can be measured is from -10°C to +65°C; within this range, a ±0.2°C tolerance on the measure is guaranteed. As per the relative Humidity, the range is from 0% to 100% with an output tolerance of ±2% within the 10% - 90% range.

Conditions for a correct use

To measure room temperature it is advisable to place the device about 1.80 m high, away from heating sources.

Applications

Being extremely precise, reliable and convenient, NG-TH169 is specifically designed to be used in many different situations (i.e. Office, CED, warehouses, retail centres, residential buildings, etc.).
The sensor is set for wall fitting.

Technical features

General	
Power supply	3 Vdc, 2 x 1.5Vdc Alkaline, 1200 mAh Size AAA; (5 years lifespan)
Consumption	100 uW / 30 µA
Temperature measuring range	-10°C ÷ +65 °C
Temperature measuring accuracy	±0,2 °C
Humidity measuring range	0% a 100%
Humidity measuring accuracy	±2%
Weight	60 gr
Size (wide)	110 mm
Size (high)	76 mm
Size (deep)	29 mm
Protection grade	IP20
Box type	ABS
Radio	
Range extension	2,5 km
Frequency	169 MHz

"Everything that ties you down, is a limit"
cut every wire and free yourself from all limits.