

Thermal and humidity sensor (AN-103)



LoRaWAN thermal and humidity sensor, suitable for long distance, low power consumption environment.

OVERVIEW

- High reliability and long-term stability.
- High quality, super fast response, strong anti-interference ability and high cost performance.
- Each sensor is calibrated in a very precise humidity calibration room.
- Standard Unibus interface makes system integration easy and fast.
- Small in size, low in power consumption and long in communication distance, which make it the optimal choice in IoT application.

Product Code	AN-103
Temperature parameters	
Detection range	-40 ~ +85°C
Resolution	0.1 °C
Accuracy	± 0.3 °C
Humidity parameters	
Detection range	0 ~ 99.9 %
Resolution	0.1
Accuracy	± 2
LoRaWAN parameters	
Processor	STM32L, ultra low standby power
LoRaWAN Tx/Rx connector	RP-SMA
Frequency	433MHz, 470 – 510MHz, 868MHz, 915MHz
LoRaWAN working mode	Single channel, Class A/C
Data upload interval	≥ 5 second
Power supply	
Battery	3.6V 4000mA
Power consumption	0.03 W
Other parameters	
Working temperature	-40 ~ 85 °C
Size	106 x 106 x 46 mm