EM300-TH Temperature & Humidity Sensor

APPLICATIONS

- **OFFICES**
- **HOSPITALS**
- **FACTORIES, GREENHOUSES, ETC**

FEATURES

EMBEDDED WITH SENSIRION
high-precision sensor chip

ULTRA-WIDE-DISTANCE
transmission up to line of sight of 10km

IP67 UV-RESISTANT AND WATERPROOF
for harsh environment applications

BUILT-IN NFC
for easy configuration

COMPATIBLE WITH STANDARD
LoRaWAN gateways & network servers

MILESIGHT IOT CLOUD
compatibility

BUILT-IN REPLACEABLE BATTERY
4000 mAh works for 5 years without replacement

SPECIFICATIONS

Wireless Transmission

Technology	LoRaWAN ®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923

EM300-TH Temperature & Humidity Sensor

Tx Power	16dBm(868)/20dBm(915)/19dBm(470)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class A

Measurement

Temperature

Range	-30°C to + 70°C
Accuracy	0°C to + 70°C (+/- 0.3°C), -30°C to 0°C (+/- 0.6°C)
Resolution	0.1°C

Humidity

Range	0% to 100% RH
Accuracy	10% to 90% RH (+/- 3%), below 10% and above 90% RH (+/- 5%)
Resolution	0.5% RH

Operation

Power On & Off	NFC, Power Button (Internal)
Configuration	NFC Configuration via Mobile App

Physical & Characteristics

Power Supply	1 × 4000 mAh ER18505 Li-SOCL2 battery (extendable to 2 batteries)
Battery Life	10 years (10 min interval + 24 triggers per day)
Operating Temperature	-30°C to +70°C
Relative Humidity	0% to 100% (non-condensing)
Ingress Protection	IP67
Dimension	88.5 × 85.3 × 27 mm (3.48 × 3.36 × 1.06 in)
Installation	Wall Mounting

Approvals

Regulatory	CE, FCC, RoHS

* Tested under laboratory conditions and for guideline purposes only

017 299 6500
C-8-2, Blok C, Setia Walk, Persiaran Wawasan, Pusat Bandar Puchong, 47160 Puchong, Selangor, Malaysia.
info@ipsec.com.my
https://www.ipsec.com.my