

EM300-TH



Temperature & Humidity

Attractive and Compact Design for Indoor and Outdoor usage

EM300-TH is measuring

- Temperature
- Humidity

EM300-TH offer a wide temperature operating range, IP67 UV-resistant enclosure and an attractive design that makes it ideal for indoor as well as outdoor application in harsh environments.

EM300-TH is widely used in offices, stores, classrooms, hospitals, kindergartens, warehouses, factories, greenhouses, etc.

EM300-TH applies 1 × 4000 mAh battery and is expandable to 2 batteries, providing more than five-year battery life.

EM300-TH is equipped with NFC for easy mobile app configuration (Android and iOS).

USB-C and NFC is available for configuration via Notebook.

EM300-TH is compliant with standard LoRaWAN® gateways and network servers

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Wireless transmission

Technology	LoRaWAN®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923
Tx Power	16dBm(868)/20dBm(915)/19dBm(470)
Sensitivity	-147dBm @300bps
Mode	OTAA/ABP Class A

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



Gateway UG65



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Physical characteristics

Power supply	1 × 4000 mAh ER18505 Li-SOCL2 battery Extendable to 2 batteries
Battery life at 10 min interval	>5 years (SF10) For guideline purposes only!
Operating Temp.	-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

EM300 family members



EM300-MCS
As EM300-TH plus
magnetic contact switch



EM300-SLD
As EM300-TH plus
spot leakage detection



EM300-ZLD
As EM300-TH plus
Zone leakage detection

You will find details on the above EM300 variants at our web-site www.singgotech.com