

Comfort and Indoor Air Quality

Ambient Temperature and Humidity Sensor

TX T&H AMB 600-121



- Measurement of ambient temperature & humidity
- Compatible with LoRaWAN & proprietary LoRa
- High-capacity Type C battery
- Up to 15 years of autonomy
- Very long radio range

Technical Specifications

Physical Characteristics

Protection rating	NEMA 1 / IP40
Application	Use in an indoor environment
Mounting	Wall-mounted
Operating temperature	-20 / +55°C
Operating relative humidity	20-80% (non-condensing)
Operating altitude	< 2000m
Operating pollution degree	3
Power supply	3.6V Lithium Type C battery - Replaceable battery
Battery life	10 years for a transmission every 5 minutes (SF9)

Radio

Supported protocols	LoRaWAN (Class A) and Enless LoRa mode
Frequency	US915
Addressing	LoRaWAN = DEVEUI, APPEUI, APPKEY (OTAA) Enless LoRa mode = Enless LoRa ID
Encryption	LoRaWAN = AES128 Enless LoRa mode = No encryption
Transmission power	25mW (14 dBm)

Measurements

Temperature

Sensor measurement range -40 / + 125°C

Sensor accuracy +/- 0,2°C

Sensor resolution 0,1°C

Humidity

Sensor measurement range 0 - 100% rH

Sensor accuracy +/- 2% rH

Sensor resolution 0,1% rH

Certifications



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Dimensions (mm)

