Yeastar

Room Comfort **Sensor**

Emoticon Indication

Traffic Light Status Indicator

I Excellent   I Polluted   I Bad

Built-in Buzzer for Alarming

The Room Comfort Sensor is a compact indoor environmental monitoring sensor for measurement of temperature, humidity, light, CO2 concentration, and TVOC. The data will be shown on the E-ink screen in real-time, which helps to measure the indoor environment and comfort for meeting rooms.

- Integrated with multiple sensors like humidity, temperature, CO2, light, etc.

- Multiple display modes and clear emoticon to easily understand the comfort levels via screen

- Support batteries or DC power supply

- Equipped with traffic light indicator and buzzer to indicate device status and threshold alarms

- Store more than 18, 000 records of 512 KB in total locally

Specifications

Model	AM307-470M/868M/915M
Technology	LoRaWAN®
Frequency	CN470/RU864/IN865/EU868/US915/AU915/KR920/AS923
Tx Power	16dBm(868MHz)/22dBm(915MHz)/19dBm(470MHz)
Sensitivity	-137dBm @300bps
Work Mode	OTAA/ABP Class A
Display	4.2-inch Black & White E-Ink Screen
Button	1 × Power Button + 1 × Reset Button
LED & Buzzer	1 × Traffic Light Status Indicator + 1 × Buzzer
Configuration	Mobile App via NFC
Battery Life	Around 3 Years (10 min interval)
Operating	-20°C - 60°C (E-Ink Screen: 0°C - 40°C)
Power Supply	4 × 2700 mAh ER14505 Li-SOCl2 Chargeable Batteries or 5V/1A by Type-C Port
Temperature	10% - 90% (non-condensing)
Relative Humidity	IP30
Ingress Protection	100.8 × 114 × 22 mm (3.97 × 4.49 × 0.87 in)
Dimension	3M Tape Mounting, Wall Screw Mounting, 86 Box Mounting
Temperature Range	-40°C - 85°C
Temperature Accuracy	± 1°C
Temperature Resolution	0.1°C
Humidity Range	0% - 100% RH
Humidity Accuracy	± 3%
Humidity Resolution	0.5% RH
Light Range	0-60000 Lux (Determine as 6 levels, 0-5)
TVOC Range	0-500 (IAQ Index)
TVOC Accuracy	±15%
CO2 Range	400 - 5000 ppm
CO2 Accuracy	± (30 ppm, 3% of reading)
CO2 Resolution	1 ppm