

Technical Specifications

Comprehensive technical specifications for the 3-IN-1 TVOC Sensor (AS-104)
LoRaWAN sensor

Wireless Transmission	
Technology	LoRaWAN®
Frequency	CN470/RU864/IN865/EU868/US915/AU915/KR920/AS923-1&2&3&4
Sensitivity	-137dBm @300bps
Work Mode	OTAA/ABP Class C
Configuration	USB Type-C port

Physical Characteristics	
Power Supply	5V/1A by Type-C Port
Power Supply (Battery - Small Case)	Battery Powered-3×2700 mAh ER14505 Li-SOCI2 Replaceable Batteries
Power Supply (Battery - Large Case)	Battery Powered-4×4000mAh ER ER18505 Li-SOCI2 Replaceable Batteries
Operating Temperature	-20°C - 60°C
Relative Humidity	10% - 90% (non-condensing)
Ingress Protection	IP30
Dimension	98*98*30 mm / 125*125*30 mm
Installation	Wall Mounting via 3M Tape or Screws



Temperature

Temperature Range	-20°C to +70°C
Temperature Accuracy	±0.5°C
Temperature Resolution	0.1°C
Temperature Operating Principle	Digital CMOSens® technology

Humidity

Humidity Range	0% to 100% RH
Humidity Accuracy	10% to 90% RH (±3%), below 10% and above 90% RH (±5%)
Humidity Resolution	0.5% RH
Humidity Operating Principle	Digital CMOSens® technology

Total Volatile Organic Compounds (TVOC)

TVOC Range	1-2000 µg/m ³
TVOC Accuracy	(± 20 µg/m ³ + 15%) at 1 to 1000µg/m ³
TVOC Resolution	1 µg/m ³
TVOC Operating Principle	Digital MOX

Certifications & Compliance

- ✓ CE Marked
- ✓ FCC Compliant
- ✓ RoHS Compliant
- ✓ REACH Compliant
- ✓ LoRaWAN Certified
- ✓ IP65 Rating (outdoor models)

