Aircube LoRaWAN

Available Sensors

CO-B4
Range: 0 to 1'000 ppm
Noise: ±4 ppb

H2S-B4
Range: 0 to 100 ppm
Noise: ±1 ppb

NO-B4
Range: 0 to 20 ppm
Noise: ±15 ppb

NO2-B43F
Range: 0 to 20 ppm
Noise: ±15 ppb

OX-B431
Range: 0 to 20 ppm
Noise: ±15 ppb

SO2-B4
Range: 0 to 100 ppm
Noise: ±5 ppb

Air temperature
Range: -40 to +125°C
Accuracy: ± 0.3°C

Air humidity
Range: 0 - 100% RH
Accuracy: ±2% RH

Sensor combinations and features

Aircube can be configured with up to 4 gas sensor units from available sensors list.

CO-B4, H2S-B4, NO-B4, NO2-B43F, OX-B431, SO2-B4

Every Aircube is additionally equipped with a temperature and humidity sensor. It is mounted in air conditioning channel for temperature and humidity dependence compensation of gas sensors.

Active ventilated air inlet

Air inlet made of Teflon/PTFE to reduce reaction of gas with inlet surface

PFA tube gland for calibration runs

LoRaWAN specifics

Device class A
Over the air activation (OTAA)
Adaptive data rate (ADR)
Frequency band:
868 MHz (EU Version) or 915 MHz (US Version)
Input Sensitivity: -148 dBm

Supply

Internal battery 4 x D-type (Alkaline)
Integrated sensor supply

Weight

1990g with batteries

Dimensions

230 x 165 x 99 mm

Enclosure

Weatherproof IP67, impact and UV- resistant
polycarbonate enclosure

Operating conditions

-30°C to 50°C
0 - 100% RH