

AWAIR Omni

INDOOR AIR QUALITY MONITOR



SENSOR SPECIFICATIONS		
Particulate Matter 2.5 (PM2.5)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Laser Particle Sensor (Light Scattering) 0 - 1000 $\mu\text{g}/\text{m}^3$ 1 $\mu\text{g}/\text{m}^3$ $\pm 15 \mu\text{g}/\text{m}^3$ or $\pm 15\%$
Total Volatile Organic Compounds (TVOCs)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Multi-pixel Metal Oxide Semiconductor Sensor (MOS) 0 - 60000 ppb 1 ppb $\pm 10\%$
Carbon Dioxide (CO2)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Non-Dispersive Infrared Detector (NDIR) 400 - 5000 ppm 1 ppm $\pm 75 \text{ ppm}$ and $\pm 10\%$
Temperature	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	CMOS Sensor -40 - 125°C 0.015°C $\pm 0.2^\circ\text{C}$
Relative Humidity	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	CMOS Sensor 0 - 100%RH 0.01%RH $\pm 2\%RH$
BASIC INFORMATION		
DIMENSIONS Length: 98 mm (3.85 in) Width: 98 mm (3.85 in) Height: 34 mm (1.85 in)	WEIGHT Unit Weight: 220 g (0.49 lbs)	CONNECTIVITY & INTEGRATION - Wi-Fi Connection 2.4GHz 802.11 b/g/n (w/ setup over Bluetooth) - Private LoRa Connection (w/ Bracket accessory) - Ethernet or LTE Cellular Connection (w/ optional Gateway) - RS-485 Serial Connection (w/ Bracket accessory)
OPERATIONAL ENVIRONMENT Operating Temperature: -10°C to 45°C Operating Humidity: 10% to 80%, non-condensing		DATA STORAGE & LOGGING Log Interval: 10 seconds Data Push Interval: 10 seconds Onboard Memory: 11 MB (~100,000 records)
POWER CONSUMPTION Input: 100~240V AC, 50/60Hz w/ USB-C cable Operating: 1.76W (max 206W)	BATTERY Capacity & Voltage: 2250mAh @ 3.7V Usage Time: 5.5 - 9 hours	WARRANTY & DURABILITY Warranty: 1 year (optional extended warranty w/ contract) Expected Lifespan: 5 to 7 years
ACCESSORIES - Desk stand - Wall mount - Drywall anchors & screws - 6 foot USB-C to USB-A cable	- 5v~2A USB-A wall adapter (regional variants available)	OTHER CERTIFICATIONS Environmental: ROHS, REACH, WEEE Customer: FCC (US), KC (Korea), CE (Europe) Electronic safety: SRRC (China), Telec (Japan)

20190125



This indoor air quality monitor has met the RESE™ Air Performance Standard for Commercial Grade (B) Monitors and is accredited for use in projects pursuing RESE™ Certification.