Awair Air Quality Monitor

Elcomponent AQ Essentials - powered by Awair

Sensors Specification

Temperature	Volatile Organic Compounds (VOCS)
• Complementary metal-oxide-semiconductor (CMOS) sensor • Range: -40 to 125°C (-40 to 257°F) • Accuracy: ±0.2°C - Selectable °F or °C display	• Multi-pixel metal oxide gas sensor • TVOC Range: 0-60 ppm • Accuracy: ±10%*
Relative Humidity	Particulates (PM2.5)
• CMOS sensor • Range: 0-100% RH • Accuracy: ±2% RH	• Laser-based light scattering sensor • PM 2.5 Range: 0-1,000 µg/m³ • Accuracy: ±15% or ±15 µg/m³
Carbon Dioxide	
• NDIR (Non Dispersive Infrared Sensor) • Range: 400-5,000 ppm • Accuracy: ±75 ppm or 10% of reading	*Accuracy is calculated using a reference gas with an H2 concentration of 0.5 ppm.

System Requirements

General Communications	WiFi requirements
Wi-Fi Connection Smartphone or tablet with support for Bluetooth 4.0, running iOS (8 or later) or Android (Jelly Bean 4.3 or later) Awair Account (free)	Wi-Fi connection: 802.11 b/g/n @ 2.4GHz Supported Wireless Security: WPA, WPA2 Bluetooth 4.1 @ 2.4GHz
Display Modes	Accessories
Selectable via touch screen or Awair App. Pressing the power button will cycle through all display modes. • Awair Score • CO2 • Temperature • VOCs • Relative Humidity • PM2.5 No Display = all display parameters are switched off	Stand Wall mount unit with screws (recommended) and 3M tape

Device Specifications

Dimensions	Power	Battery:
Width: 98mm Height: 98mm Depth: 34mm Weight 220g	Input: 100~240V AC, 50/60Hz USB-C Output: 5V/2.0A	Rechargeable Lithium-Ion Battery 2250mAh @ 3.7V 5.5 - 9 hours
	Power Consumption	
Certifications:	With Battery Charging: Max 6.5W Operating: Avg 1.76W (Max 2.6W) Total: Less than 1.3kWh per Month (operating for 30 days)	Durability: Drop Tested at 1.5m (4.9 ft)
Environmental: ROHS, REACH, WEEE Safety: CE marked (EU) , FCC (US)		Warranty 1 year