

uHoo Smart Air Monitor

Technical Specifications



















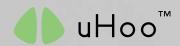
Temperature

Humidity

PM_{2.5}

TVOCs

Carbon Dioxide Carbon Monoxide Air Pressure Nitrogen Dioxide Ozone



Product Specification

Model name:

uHoo Smart Air Monitor

Security:

128-bit AES end-to-end encryption

Processor:

32-bit ARM-based

User interfaces:

Native iOS and Android apps

Certifications:

FCC, CE, PSE, TELEC, NTC, KC, REACH, RoHS, KSA

Power consumption:

900mW (normal operation) and 1.5W (data transmission)

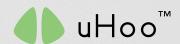
Operating Temperature:

-10°C to 50°C (14°F to 122°F)

Operating Humidity:

5% to 95%, non-condensing





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Design Specification

Body Material:

ABS thermoplastic polymer

Base Material:

Silicone rubber with stainless steel insert

Dimensions:

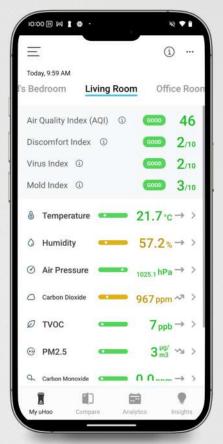
Height: 161mm or 6.3 inches Diameter: 85mm or 3.3 inches

Weight:

270g or 0.6lbs

Status indicator:

RGB LED



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System Requirements

WiFi network:

802.11 b/g/n @ 2.4GHz (5GHz not supported)

Power supply:

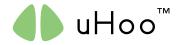
Power via 5V/2A USB adapter and cable

Mobile device:

iOS 11 (64-bit devices) or Android 4.3 and versions above

User interface:

uHoo mobile app on iOS or Android Free uHoo Home account uHoo Premium (optional in-app subscription)



((•)) Sensor Specification

		Range	Resolution	Tolerance
	Temperature	-40 to 85 °C	0.1 °C	±0.5 °C
	Relative Humidity	0 to 100%	0.1%	±3%
© 2.5	PM _{2.5}	1 to 200 μg/m³	1 μg/m³	±15 μg/m³ or ±10% of actual value*
Ø	TVOCs	0 to 30,000 ppb	1 ppb	±20 ppb or ±15% of actual value*
	Carbon Dioxide	400 to 10,000 ppm	1 ppm	±50 ppm plus ±3% of actual value
8	Carbon Monoxide	0 to 1,000 ppm	0.1 ppm	±2 ppm or ±5% of actual value*
8	Air Pressure	300 to 1,100 hPa	0.1 hPa	±1 hPa
88	Nitrogen Dioxide	0 to 1,000 ppb	1 ppb	±20 ppb or ±10% of actual value*
	Ozone	0 to 1,000 ppb	1 ppb	±20 ppb or ±10% of actual value*

^{*}Choose higher of the two

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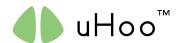
Independently Tested and Validated

Scan the QR code to read the Independent Study here:



Recommended for the detection of common indoor air pollutants in residential households







In the Box

Each box comes neatly packed with the following items:

- uHoo Smart Air Monitor
- Micro USB cable
- Country-specific power adapter

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