

Specifications



Dimensions



Sensors



Carbon Dioxide (CO₂)

Range: 400 to 10,000 ppm
Resolution: 1 ppm
Tolerance: ± 50 ppm or
3% of reading



Particulate Matter (PM_{2.5})

Range: 0 µg/m³ to 200 µg/m³
Resolution: 0.1 µg/m³
Tolerance: ± 20 µg/m³ or
10% of reading



Nitrogen Dioxide (NO₂)

Range: 0 ppb to 1,000 ppb
Resolution: 1 ppb
Tolerance: ± 10 ppb or
5% of reading



Humidity

Range: 0% to 100 %
Resolution: 0.1%
Tolerance: ± 3%



Air Pressure

Range: 300 mBar to 1,100 mBar
Resolution: 0.1 mBar
Tolerance: ± 1 mBar



Carbon Monoxide (CO)

Range: 0 ppm to 1,000 ppm
Resolution: 0.1 ppm
Tolerance: ± 10 ppm



Temperature

Range: -40°C to 85°C
Resolution: 0.1 °C
Tolerance: ± 0.5°C



Airborne Chemicals (VOCs)

Range: 0 ppb to 1,000 ppb
Resolution: 1 ppb
Tolerance: ± 10 ppb or
5% of reading



Ozone (O₃)

Range: 0 ppb to 1,000 ppb
Resolution: 1 ppb
Tolerance: ± 10 ppb or
5% of reading

*CO₂ sensor will achieve operational accuracy after 48 hours of continuous operations, and it may take up to 3 weeks to achieve the specified accuracy using its auto-calibration algorithm.
**VOC sensor is calibrated using standard mixtures of formaldehyde, toluene, acetone, acetaldehyde, and a few other VOC gases, however it may also respond to other VOCs in the air.

Product Specification

Security:	128-bit AES end-to-end encryption
Processor:	32-bit ARM-based
User interfaces:	Native iOS and Android apps.
Certifications:	FCC, CE, RoHS and REACH
Power consumption:	900mW (normal operation) 1.5W (during data transmission)

Design Specification

Body material:	ABS thermoplastic polymer
Base material:	Silicone rubber with stainless steel insert
Dimensions:	85mm x 85mm x 161mm or 3.3in x 3.3in x 6.3in
Weight:	270g or 0.6lbs RGB LED as status indicator

System Requirements

Wi-Fi network:	802.11 b/g/n @ 2.4GHz Dedicated 5GHz Wi-Fi network not supported
Power supply:	5V DC power adapter (provided by uHoo) micro USB cable
Interface:	Smartphone or tablet iOS 9 or Android 4.3 and above
Software:	Free uHoo mobile app Free uHoo account

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