

WellStat Air Lite

Compact Insights, Big Impact

WellStat Air Lite is a compact, easy-to-deploy indoor air quality sensor for homes, apartments, and small commercial spaces. It continuously monitors PM, temperature, humidity, VOCs, NOx, and CO₂ with fully calibrated digital outputs and integrated compensation algorithms. Designed for 5-minute data delivery to the WellStat cloud, it provides clear, actionable insights to help maintain healthier, more comfortable indoor environments.



Measured Parameters	
PM1.0	0–1000 µg/m³, ±(5 µg/m³ + 5%) at 0–100 µg/m³, (10% at 100–1000 µg/m³)
PM2.5	0–1000 µg/m³, (±5 µg/m³ + 5%) at 0–100 µg/m³, (10% at 100–1000 µg/m³)
PM4.0	0–1000 µg/m³, ±25 µg/m³ at 0–100 µg/m³, (25% at 100–1000 µg/m³)
PM10	0–1000 µg/m³, ±25 µg/m³ at 0–100 µg/m³, (25% at 100–1000 µg/m³)
Carbon Dioxide (CO ₂)	0–40000 ppm, ±(50 ppm + 2.5%) at 0–1000 ppm, (±(50 ppm + 3%) at 1001–2000 ppm; ±(40 ppm + 5%) at 2001–5000 ppm)
Volatile Organic Compounds (VOC) Index	1–500 Index points, ±15 i.p. at < 100 i.p., (±15% at > 100 i.p.)
Nitrogen Oxides (NOx) Index	1–500 Index points, ±50 i.p. at < 100 i.p., (±50% at > 100 i.p.)
Temperature	10–40 °C (recommended, max: -10–50 °C), ±0.7 °C at 15–30 °C & 50% RH (typically ±0.45 °C) 50–104 °F (recommended, max: 14–122 °F), ±1.26 °F at 59–86 °F & 50% RH (typically ±0.81 °F)
Relative Humidity	20–80% (recommended, max: 0–90%), ±6% at 30–70% RH & 25 °C (typically ±4.5%)

Certifications & Standards	
FCC & CE / CA Certified	
RoHS Compliant	
Supports WELL / RESET / Fitwel alignment	
Device Hardware & Connectivity	
Antenna: Integrated, no external connector	
Status LED: Single RGB indicator	
Power: USB-C, 4.5–5.5 V, 1 A input	
Optional Communication Modules	
LoRaWAN	
LTE / NB-IoT	
Device Lifespan & Warranty	
Device Lifespan	3 years
Warranty	1 year
Physical Dimensions	
Dimensions	100mm x 55mm x 100mm
Weight	105g
HTSUS Classification	
9027.10.2000	Smoke or gas analysis apparatus

