



The WellAir NanoDetect PRO is a wall-mounted indoor air and environmental quality (IAQ/IEQ) sensor designed for continuous, high-accuracy monitoring in commercial buildings. Listed in the Works with WELL catalog and RESET certified, NanoDetect PRO supports compliance with green and healthy building standards. Its modular architecture enables real-time measurement of up to 15 IAQ and IEQ parameters to support occupant health, building performance, and informed operational decisions.

Sensor Type	Range	Accuracy	Resolution	Technology
PM2.5	0 - 1,000 µg/m <sup>3</sup>	0 - 100 µg (±10 µg /m <sup>3</sup> ) 100 - 1,000 µg (±10%)	1 µg/m <sup>3</sup>	Light Scattering
PM10	0 - 1,000 µg/m <sup>3</sup>	0 - 100 µg (±10 µg /m <sup>3</sup> ) 100 - 1,000 µg (±10%)	1 µg/m <sup>3</sup>	Light Scattering
Carbon Dioxide	400 - 10,000 ppm	±30 ppm ±3% of reading	1 ppm	Non-dispersive Infrared
TVOC	1 - 500	≤ ±15	1	MOx (MEMS)
NO <sub>x</sub>	1 - 500	≤ ±15	1	MOx (MEMS)
Temperature	-40 °C - 125 °C	±0.2 °C	0.1 °C	Digital CMOSens technology (MEMS)
Humidity	0% - 100% RH	±1.8% RH	0.01% RH	Digital CMOSens technology (MEMS)
Light	0.01 - 83,000 lux	±0.2%	0.01 lux	Photodiode
Noise	36 - 95 db	±3 dB @ 23 ±5°C	1 dB	Digital
Air Pressure	300 - 1,100 hPa	±1 hPa	0.01 hPa	Piezoresistive Absolute Pressure Sensor (MEMS)

## FEATURES:

- Ability to monitor up to 15 IAQ and IEQ parameters in real-time
- Modular, interchangeable sensor capsule design enables rapid addition of sensors to meet specific application requirements, while allowing fast, cost-effective recalibration
- Ability to view IAQ levels at a glance via LED "traffic light" indicator
- Rapid installation and commissioning
- Helps attain LEED, WELL, Fitwel, RESET, and other building certifications

## GENERAL SPECIFICATIONS:

- Dimensions = W: 5.9" H: 4.4" D: 1.3"  
W: 150mm H: 112mm D: 32mm
- Weight = 0.52 lbs | 235g
- Temperature = 32 °F to 122 °F | 0 °C to 50 °C
- Operating Humidity: 10% - 90% RH (non-condensing)

## CONNECTIVITY

Wi-Fi 2.4 and 5 GHz 802.11 b/g/n | Modbus | BACnet | MQTT | Cellular

## POWER SUPPLY

10-30V DC | 24V AC | PoE | Type C

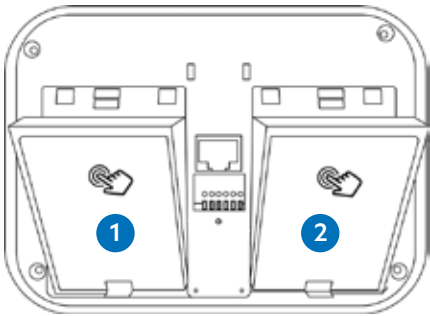
## MODELS:

SKU 100080 - NanoDetect PRO (Wi-Fi)

### OPTIONAL SENSORS

The NanoDetect™ PRO provides the ability for a user to add a second sensor capsule that can expand the number of parameters being monitored.

The table below provides a list of the optional sensor(s) and their relevant SKU numbers, as these capsules must be ordered separately.



- 1** Standard capsule
- 2** Optional capsule

### OPTIONAL SENSORS SPECIFICATIONS

SKU	Sensor(s)	Range	Accuracy	Resolution	Technology
100083	Nitrogen Dioxide & Carbon Monoxide	See specifications of individual sensors below			
100084	Ammonia and Hydrogen Sulphide				
100085	Ozone	0 - 5 ppm	±5% F.S	0.001 ppm	Solid Polymer Electrochemical
100086	Formaldehyde	0 - 1 ppm	±5% F.S	0.001 ppm	Solid Polymer Electrochemical
100087	Ammonia	0 - 10 ppm	±5%	0.001 ppm	Solid Polymer Electrochemical
100088	Hydrogen Sulphide	0 - 5 ppm	±5%	0.1 ppm	Solid Polymer Electrochemical Sen
100089	Hydrogen	0 - 1000 ppm	±5%	0.001 ppm	Solid Polymer Electrochemical
100090	Sulfur Dioxide	0 - 5 ppm	±5%	0.001 ppm	Solid Polymer Electrochemical
100091	Carbon Monoxide	0 - 1000 ppm	±5 ppm or ±10%	5 ppm	Micro Fuel Cell
100092	Nitrogen Dioxide	0 - 5 ppm	±5% F.S	0.001 ppm	Solid Polymer Electrochemical

### COMPLIANCE



FCC ID XMR2023FCM362K

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

All stated specifications are subject to change without notice or obligation.