

AIR8

08 GUARD PRO

Measured air parameters

- Carbon dioxide (CO₂)
- PM_{2.5} / PM₁₀
- Formaldehyde Gas (HCHO)
- Total Volatile Organic Compounds (TVOC)
- Temperature
- Humidity

Technical data

- Dimensions: 19 x 8 x 5.2 cm
- Weight: 328g
- Storage temperature: -10°C to 60°C
- Lithium battery with 2000 mAh capacity
- 5V DC power charging



Features

- LCD Screen display
- Sampling time of 1.5 seconds
- Micro USB port
- Low battery warning
- Displayed Air Quality Index (AQI)



Range of measurements

- Atmospheric pressure: 86Kpa – 106Kpa
- Relative humidity: 20% – 85%
- Detection temperature: -10°C to 50°C
- CO₂ measuring range: 400 – 5000 PPM
- PM_{2.5} / PM₁₀ measuring range: 0 – 999 ug/m³
- HCHO measuring range: 0.000 – 1.999 mg/m³
- TVOC measuring range: 0.000 – 9.999 mg/m³

Parameter sensor technology

- CO₂: Infrared (NDIR)
- PM_{2.5} / PM₁₀: Laser Scattering
- HCHO: Electrochemistry
- TVOC: Semiconductor

