



Technical Specification



Product Overview

airbeld™ system is an integrated, cost-effective monitoring system designed to assess Indoor Air Quality (IAQ) and promptly detect and report hazardous incidents that directly impact health and well-being. airbeld™ provides a real-time understanding of indoor pollutants and it helps in decision-taking to maintain a healthy and comfortable environment.

Product Features

Real-time Monitoring

Instantly track air quality levels securely and efficiently to maintain a healthy environment

AI Assistant

Receive tailored advice from airbeld™ app's AI assistant to improve indoor air quality effortlessly

Intuitive Interface

Easily manage settings and monitor spaces through the user-friendly airbeld app and web dashboard

Instant Alerts

Personalized alerts provide real-time updates on environmental changes, ensuring continuous awareness

Flexible Integration

Access customized reports and seamlessly integrate with existing Building Management Systems for enhanced control

Accurate Data

Rely on precise, real-time air quality measurements to make informed decisions and adjustments



Contact us

(+357) 22515175

sales@embiodiagnostics.eu

8B Athalassas, Nicosia, Cyprus

www.embiodiagnostics.eu



ISO 13485:2016
CERT No.
357-02-134-00035



ISO 9001:2015
CERT No.
357-02-100-01260



embio
diagnostics
DETECT EVERYWHERE

Sensor Specification

Temperature

Measurement range: 10 – 50 °C
Accuracy: +/- 0.50 °C @ 15 – 40 °C

Relative Humidity

Measurement range: 0-90 %RH
Accuracy: +/- 6%

NOx

Measurement range: 0 – 500 Index Points
Device to device Variation:
< +/- 10% repeatability

VOC

Measurement range: 0 – 500 Index Points
Device to device Variation: < +/- 15% repeatability

CO2

Measurement range: 400 – 5000 ppm
Accuracy: +/- (50ppm + 5% of Reading)

PM 1.0 /2.5/4.0/10.0

0.3-1.0/ 0.3-2.5/ 0.3-4.0/ 0.3-10.0 µm
Mass concentration size range: 0 – 1000 µg/m³
Accuracy: +/- 10%

Device specification

Plower

USB-C: 5VDC, 1A

Installation

Methods: Surface mount, drywall mount

Connectivity

WiFi – 2.4GHz

Languages

English

Operating Conditions

10 – 40 °C indoor, non-harsh environments

Indication

LED button

Storage Conditions

-10 – 50 °C

Size and weight

117 x 112 x 39 mm
197 g



Contact us

(+357) 22515175
sales@embiodiagnostics.eu
8B Athalassas, Nicosia, Cyprus
www.embiodiagnostics.eu



ISO 13485:2016
CERT No.
357-02-134-00035



ISO 9001:2015
CERT No.
357-02-100-01260



embio
diagnostics
DETECT EVERYWHERE