airbeld™
prometheus



Technical Specification

Product Overview

airbeld™ is an integrated system designed to assess indoor environmental conditions and promptly detect and report hazardous incidents that impact health and wellbeing. It delivers real-time insights into indoor pollutants and environmental factors, enabling informed decision-making for healthier, more productive indoor environments.

Product Features

Real-time monitoring
Track air quality levels and other environmental factors instantly and efficiently, to maintain a healthier, safer and more productive indoor environment

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

AI Assistant
Receive tailored advice from airbeld™ app's AI Assistant to improve indoor environmental conditions effortlessly

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

Intuitive Interface
Easily manage settings and monitor spaces through the user-friendly airbeld app and productivity dashboard

Accurate Data
Rely on precise, real-time measurements of indoor environmental conditions to make informed decisions and adjustments

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

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

INTERNATIONAL WELL BUILDING INSTITUTE MEMBER

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Sensor Specification

airbeld™ prometheus

Temperature
Measurement range: -10 – 50 °C
Accuracy: 0.45 °C

Relative Humidity
Measurement range: 20-80%RH
Accuracy: 4.5%

Luminosity
Measurement range: Max range 8000 Lux
Accuracy: +/- 25%

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
Measurement range: 0 – 1000 μg/m3
Accuracy: +/- 10%

CO
Measurement range: 10-1000 ppm

CO_2
Measurement range: 400 – 5000 ppm
Accuracy: +/- (40ppm + 5% of Reading)

Noise Level
Frequency range: 20 Hz -20 KHz
Acoustic Overload Point: 120 dB SPL
Sensitivity: -26 dBFS, under 94d8 SPL@1KHz

Pressure
Measurement range: 260 - 1260 hPa
Accuracy: +/- 1hPa

UV Index
Measurement range: 1-160
Accuracy: +/-1 UVI

VOC
Measurement range: 0 - 500 Index Points
Accuracy: <+/- 5% repeatability

NOx
Measurement range: 0 - 500 Index Points
Accuracy: <+/- 10% repeatability

Flammable Gasses
Measurement range: 100 - 10000 ppm

Device specification

Power
USB-C: 5VDC, 1A
Power-over-Ethernet (PoE)
Back-up power supply, appx. 30 mins (Battery operated)

Connectivity
WiFi - 2.4GHz and Ethernet

Optional Data Storage:
SD card port available

Operating Conditions
Indoor environments: 10 – 40 °

Device Storage Conditions
-10 – 50 °C

Installation
Methods: Surface mount, drywall mount

Languages
English

Indication
LED button,
LED light indicators (x8)

Color
Black, White (Available soon)

Size and weight
131 mm x 131 mm x 34 mm
271 g

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