

SQUAIR Basic

Indoor Air Quality Monitor

Know your harmful air pollutants with a smart indoor air quality monitoring device.



PM10

PM2.5

PM1

CO₂

TVOCs

HCHO

Temperature

Humidity

Qualitative FEATURES

Squair Basic is a compact indoor air quality monitor designed to track essential pollutants, helping maintain **healthier indoor environments**. Compatible with **Building Management Systems (BMS)** through industry-standard protocols, it integrates easily into smart building infrastructures. Ideal for use in offices, schools, retail spaces, hospitals, and residential buildings.



Continuous Monitoring



Wifi Connectivity



Hue Light



AQI Device Control Center



Data on TV application



Mobile App & Dashboard



Cloud Storage



E-mail Alert



Wall & Ceiling Mounting



Smart Display

Sensor Specifications

Parameters	Sensor Type	Range	Resolution	Accuracy
PM10, 2.5 and 1	90° Light Scattering	0 to 999 µg/m³	1 µg/m³	±10% up to 150µg/m³; ±15% above 150µg/m³
Temperature	RTD	-40 to 70 °C	0.1°C	±0.3°C
Relative Humidity	Capacitive	0 to 100% RH	0.1% RH	±2% RH
Carbon Dioxide (CO ₂)	NDIR	0 to 5000 ppm	1ppm	±3% or ±50ppm
TVOCs	MEMS	0 to 65ppm	10ppb	±3%
HCHO	Electrochemical	0 to 2ppm	0.01ppb	±3%

Compliance With WELL, LEED and ASHRAE Standards



Standard	PM2.5 Limit	CO ₂ Limit	Sensor Type	Range
WELL v2 (A01)	≤ 15 µg/m³	≤ 1,000 ppm	Laser-based PM2.5 sensor + NDIR CO ₂ sensor	PM2.5: 0–500 µg/m³ CO ₂ : 0–5,000 ppm
WELL v2 (A05)	≤ 10 µg/m³	≤ 800 ppm	Laser-based PM2.5 sensor + NDIR CO ₂ sensor	PM2.5: 0–1,000 µg/m³ CO ₂ : 0–5,000 ppm
ASHRAE 62.1	No limit	~1,100 ppm (700 ppm above outdoor)	Laser-based PM2.5 sensor (optional) + NDIR CO ₂	PM2.5: 0–500 µg/m³ (if used) CO ₂ : 0–5,000 ppm
LEED v4.1	≤ 15 µg/m³	Monitor & alert at >1,000 ppm	Laser-based PM2.5 sensor + NDIR CO ₂ sensor	PM2.5: 0–500 µg/m³ CO ₂ : 0–5,000 ppm

Device Specifications

Power Supply	Housing	Operating Temperature	Mobile App
12V DC	ABS	-10 °C to 60 °C	AQI
Cloud Storage	Dimension	Operating Humidity	Web Dashboard
Yes	12x12x3cm	0-95% RH	aqi.in
Weight	Connectivity	In the Box	Hue Light
227g	Wi-Fi(2.4Ghz)	SQUAIR, Cable, Screws	Yes



Hue LIGHT

Squair monitors come with an intelligent GYR (Green–Yellow–Red) light system that visually indicates real-time air quality levels. Whether it's placed in a room or hallway, the glowing LED colours make it easy to know if the air is Good, Moderate, or Poor—even from a distance.

GYR Mode for Hue light



Good



Moderate



Bad

Connectivity TYPES

WiFi

RS-485

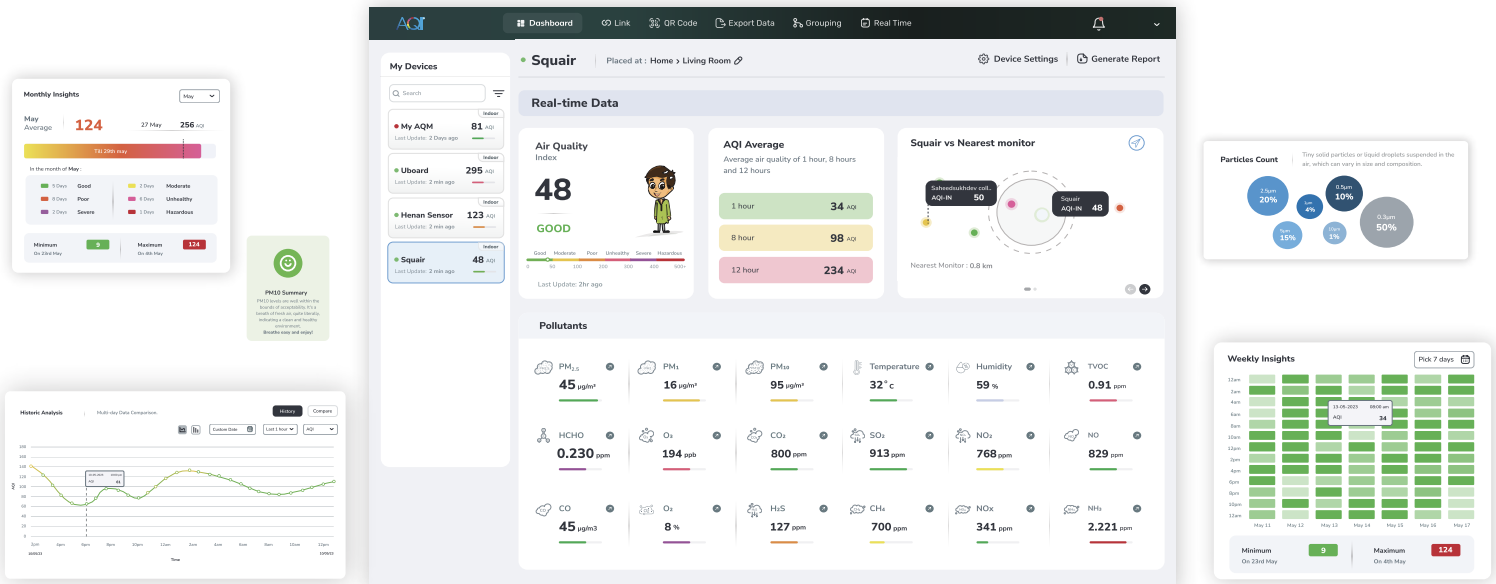
With Wi-Fi, and RS-485 support, the monitor ensures continuous data flow, easy BMS integration, and real-time access—helping you take timely actions for better indoor air quality.



Make informed decisions with easy access to in-depth analysis of air quality

Web DASHBOARD

Get the real-time air quality data on your device. Know the air quality with various features such as link generation, device grouping, device alerts, data export etc.



Dashboard Features



Link Generation

Easily generate a secure, link to give others real-time access to your monitor's data, **no login required**. Perfect for teams, reports, or public sharing.



Scan the QR code

Display a unique QR code on the dashboard or device. Anyone can scan it to instantly view real-time air quality data on their smartphone or browser.



Parameter Specific Data

Filter and view air quality data by **specific parameters** (like PM2.5, CO₂, VOCs, etc.) to analyse trends, compare readings, or focus on targeted insights.



Set Device Alerts

Customize **alert thresholds** for each parameter. Get notified via email or in-app when air quality levels exceed safe limits, ideal for proactive health and safety.



Export Data

Download historical data in multiple formats (**CSV, Excel, PDF**) for reports, research, or compliance documentation –on demand or schedule.



Group Your Devices

Manage multiple devices across locations with grouped dashboards. **Compare data**, organise by project, and streamline monitoring across your network.

Make informed decisions with easy access to in-depth analysis of air quality

Trusted by Global PARTNERS



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Schneider Electric



World Resources Institute



BCG (Boston Consulting Group)



Confederation of Indian Industry

The Confederation of Indian Industry



Rand Tower (JW Marriott) Minneapolis



BIRLA Ultratech Cements (Mumbai)



Novotel New Delhi Aerocity



The St. Regis Hotels and Resorts (Mumbai)



InterGlobe Aviation (Indigo)



CEEW (The Council on Energy, Environment and Water)



Guidelines by MPCB (Maharashtra Pollution Control Board) for Mumbai and Pune



Indira Gandhi Centre for Atomic Research (Department of Atomic Energy)



Guidelines by CAQM (Commission for Air Quality Management in National Capital Region and Adjoining Areas, Delhi/NCR)



IIT (Roorkee, Dhanbad, BHU, Kharagpur, Goa, Gandhi Nagar, Bombay, Kanpur, Hyderabad)



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