



Arnowa Indoor Air Quality Monitoring

Indoor air is often 2–5 times more polluted than outdoor air - affecting health, comfort, productivity, and wellbeing. With Arnova's AI powered Indoor Air Quality Monitoring, invisible risks become visible. Our cutting-edge solution empowers you to create safer, healthier, and more sustainable indoor environments across homes, workplaces, and public spaces.

Arnova's IAQ solution doesn't just monitor—it transforms buildings into intelligent, healthier, and more sustainable environments.

Core Capabilities

Comprehensive Air Intelligence

- Monitors pollutants (PM2.5, PM10, CO₂, VOCs, Formaldehyde, Ozone and more) and comfort factors (temperature, humidity, light, pressure).
- Real-time data to uncover invisible risks that affect health and productivity.
- Combines multiple sensors into one device for a complete environmental picture.
- Smart alerts for immediate action and risk mitigation
- Facility digital twins for effective monitoring and detailed insights

Advanced Data & Predictive Intelligence

- Gen Ai and Agentic AI-powered analytics turn raw sensor data into actionable insights.
- Predictive AI provides trends to prevent risks before they occur.
- Advanced dashboards enable deeper analysis, compliance reporting, and decision-making.
- Multimodal fusion combines video, sensor, and operational data for a 360° view of performance and safety.
- Edge ensures faster response times

Future-Ready Connectivity and Compliance

- LoRaWAN® wireless technology for long-range, secure, low-power communication.
- Seamless integration with Arnova's IoT platform.
- Scalable deployment - from single sites to multi-location enterprises.
- Supports compliance and wellness frameworks including NABERS and WELL Building Standard.

Scalable, Reliable & Effortless Deployment

- Compact, stylish design with quick installation on any surface.
- Energy-efficient hardware with long battery life for minimal upkeep.
- Built-in antennas and robust interoperability ensure smooth performance in all environments.

**Smarter Insulation.
Higher Accuracy.
Better Performance.**



Applications Across Sectors

Education

Protect students and teachers while maintaining focus and comfort in classrooms.

Hospitality & Retail

Create healthier, more comfortable spaces that enhance guest and customer experience.



Workplaces & Offices

Boost productivity and wellbeing by ensuring a safe, breathable workspace.

Healthcare

Safeguard patients, staff, and visitors with continuous monitoring of critical environments.

Residential

Give families peace of mind by keeping their indoor environment clean and safe.



Benefits at a Glance

- **Healthier Spaces** – Improve occupant wellbeing, comfort, and productivity.
- **Operational Efficiency** – Cut energy waste through optimised HVAC use.
- **Regulatory Readiness** – Stay ahead of compliance and indoor air quality standards.
- **Risk Mitigation** – Detect and address issues before they escalate.

Tech Integration

- **IoT-Powered Intelligence** – LoRaWAN®-enabled devices provide secure, long-range communication for real-time data access.
- **Cloud & Analytics** – Intuitive dashboards for stakeholders, managers and tenants
- **AI-Enabled Insights** – Go beyond monitoring with GenAI, Agentic AI and predictive analytics that anticipate and prevent risks.
- **Digital Twin Capability** – Create dynamic digital replicas of indoor environments to simulate, optimise, and predict air quality scenarios.



AWIAQ-1000

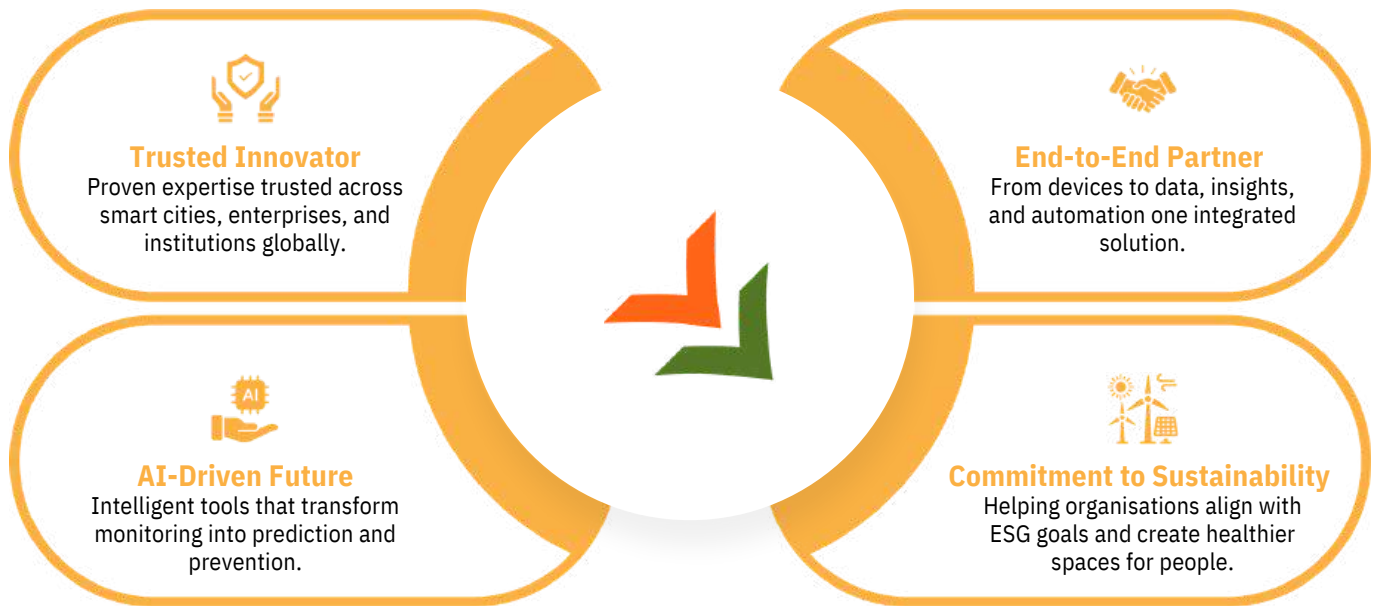
The AWIAQ-1000 is a compact, high-precision sensor for monitoring temperature, humidity, light, CO₂, VOCs, and more. Its E-ink display shows real-time data for instant awareness. Ideal for offices, classrooms, hospitals, and retail spaces to ensure comfort, safety, and efficiency.

SPECIFICATIONS

| | |
|------------------------------|--|
| Model | AWIAQ-1000 |
| Communication | Standard LoRaWAN Protocol |
| Frequency | EU868,CN470,IN865,US915,AU915,AS923 |
| Tx Power | 18.5±1dBm(max) |
| Sensitivity | -135±1dBm @SF=12 |
| Activation Method | OTAA/ABP Class A/Class C |
| Display | 4.2-inch Black & White E-Ink Screen |
| Button | 1 × Power Button + 1 × Reset Button(built in) |
| LED & Buzzer | 3×LED lights(green/orange/red) + 1 × Buzzer |
| Configuration | Server or serial port |
| Operating Temperature | -20°C - 60°C (E-Ink Screen: 0°C - 40°C) |
| Relative Humidity | 10% - 90% (non-condensing) |
| Power supply | 4 AAA large-capacity batteries/Type-C power supply (5V/1A) |
| Dimension | 115 × 109 × 23 mm |
| Installation | 3M glue fixed or screw fixed or screw fixed wall mounting |



Why Arnova?



Get Connected the Smart Way

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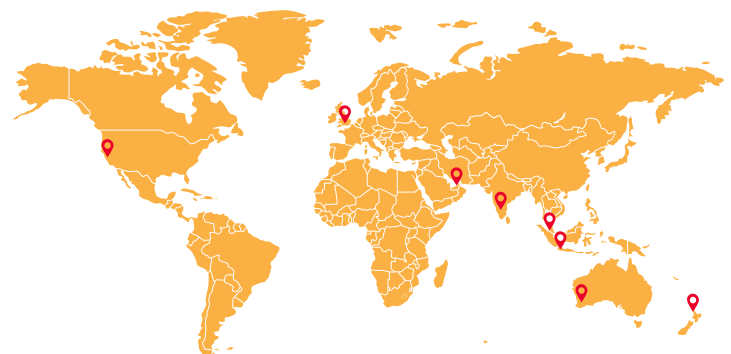
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AUSTRALIAN MADE


PREFERRED SUPPLIER



Smart networks begin with smart connectivity—choose Arnova's LoRaWAN solutions to power your digital transformation.