TEKTELIC communications

NEW PRODUCT LAUNCH

AERIS

LORAWAN® INDOOR AIR QUALITY & PARTICULATE MATTER SENSOR

FROM INVISIBLE PARTICLES TO ACTIONABLE BUILDING DATA

Continuously monitor PM1, PM2.5, and PM10 together with temperature, humidity, ambient light, and barometric air pressure to create healthier indoor environments.



CONTINUOUS INDOOR AIR QUALITY MONITORING

PM1 · PM2.5 · PM10
Particulate Matter

Temperature

Relative Humidity

Ambient Light

Barometric Air Pressure

THE CHALLENGE

THE AIR LOOKS CLEAN. IS IT?

Indoor air can be up to 2–5× more polluted than outdoor air. Invisible particles from dust, smoke, traffic, cleaning activities, construction, and poor ventilation can impact health, comfort, and productivity without showing any visible signs.

90% of our time spent indoors

2-5X higher indoor pollutant levels

$150B+ annual productivity losses linked to poor indoor air quality

WHY PARTICULATE MATTER MATTERS

SMALL PARTICLES. BIG IMPACT.

PM1, PM2.5, and PM10 can affect indoor air quality, comfort, and occupant well-being. Continuous monitoring helps detect changes early and take action before issues become complaints.

PM1 (µg/m³)

Good	Moderate	Elevated	High	Very High	Hazardous
0.0–10.0	10.1–20.0	20.1–30.0	30.1–40.0	40.1–50.0	>50.0

PM2.5 (µg/m³))

Good	Moderate	Unhealthy for Sensitive Groups	Unhealthy	Very Unhealthy	Hazardous
0.0–12.0	12.1–35.4	35.5–55.4	55.5–150.4	150.5–250.4	>250.4

PM10 (µg/m³)

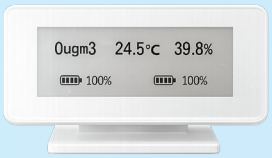
Good	Moderate	Unhealthy for Sensitive Groups	Unhealthy	Very Unhealthy	Hazardous
0.0–54.0	55.0–154.0	155.0–254.0	255.0–354.0	355.0–424.0	>424.0

Air quality levels reference EPA guidelines for general health protection.

AIR QUALITY AT A GLANCE

E-INK DISPLAY FOR INSTANT INSIGHTS

The optional Bluetooth®-connected E-Ink Display provides clear, at-a-glance information without opening an app or dashboard.



BENEFITS

- Instant local visibility
- No additional wiring
- Ultra-low power
- Ideal for any indoor environment

WHY CHOOSE AERIS

Continuous PM Monitoring
Detect airborne particulate matter early and act faster.

Complete IAQ Visibility
See more than particles with temperature, humidity, ambient light, and air pressure data.

Quick Deployment
Wireless LoRaWAN® installation with simple onboarding.

Low Maintenance
7+ years battery life and remote battery status for peace of mind.

BMS Ready
PM data for HVAC optimization, ventilation planning, and IAQ reporting.

WORKS BEST FOR













Make invisible air quality changes visible.

AERIS helps facility teams detect particulate matter, improve indoor air quality, and create healthier spaces with simple, scalable LoRaWAN® monitoring.

TALK TO A TEKTELIC EXPERT

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Produced & Designed in Canada and EU