

PM

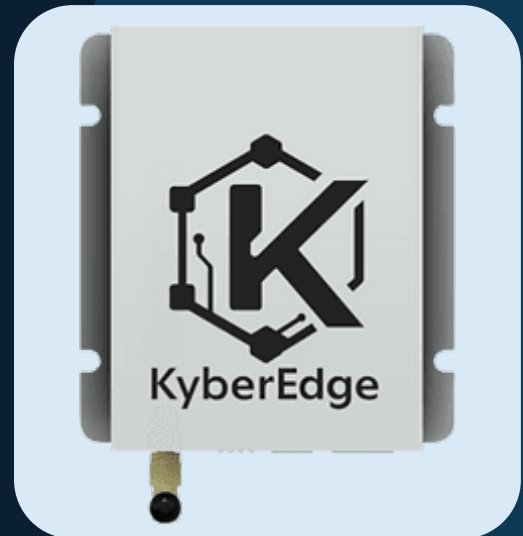
Air Quality Monitor

A compact particulate monitoring solution for detecting airborne dust, smoke and pollution where it matters most.

PM1.0

PM2.5

PM10



Three particle fractions. One clear air-quality picture.

KyberMini PM uses laser-scattering measurement to track PM1.0, PM2.5 and PM10 in real time. It brings useful, readable particulate data to field teams and dashboard users.

• What it monitors

 **PM1.0**
0 - 1,000 ug/m3

 **PM2.5**
0 - 1,000 ug/m3

 **PM10**
0 - 1,000 ug/m3

 **Active sampling**
Laser scattering

 **Humidity correction**
Activated above 80% RH

 **Field diagnostics**
Status LED feedback

 **Data ready**
Dashboards and alerts

Built for clear decisions

KyberMini turns particle readings into practical dashboard, alert and reporting information for on-site and remote teams.



Specification overview

Published sensor values for KyberMini PM. A concise guide to particulate monitoring, active sampling and field installation.

Measurement	Technology	Range	Published performance
PM1.0	Laser particulate measurement	0 - 1,000 ug/m3	1 s measurement interval
PM2.5	Laser particulate measurement	0 - 1,000 ug/m3	+/- 15 ug/m3 (0-100); +/- 15% reading (101-1,000)
PM10	Laser particulate measurement	0 - 1,000 ug/m3	0.3 - 10 um detectable particle diameter
Temperature	Environmental measurement	-40 to 85 C	+/- 1.0 C
Relative humidity	Environmental measurement	0 - 100 %RH	+/- 3 %RH
Barometric pressure	Environmental measurement	300 - 1,100 hPa	+/- 1 hPa

SYSTEM & INTEGRATION

Particulate sensing	Laser scattering with active air sampling
Environmental sensing	Temperature, humidity and pressure monitoring
Humidity handling	Automatic PM correction applied above 80% RH

Designed for field context

- Construction and demolition sites
- Industrial and infrastructure operations
- High-traffic corridors and facilities
- Indoor and perimeter air-quality screening

Installation note

Mount vertically with at least 150 mm of clear air space around the intake. Keep the inlet facing downward and protect the unit from direct rain or spray.

Values are published sensor specifications and are intended as a concise product guide. Installation and configuration are tailored to the selected KyberMini PM deployment.