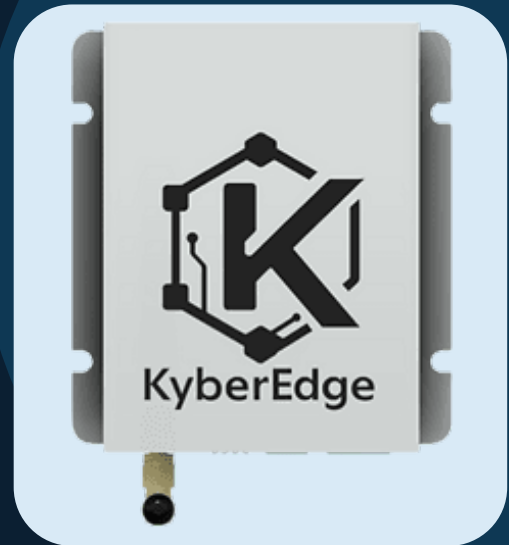


Your sensors. Your KyberMini.

A compact monitoring platform configured around the measurements that matter to your site.

1-2 SENSOR MODULES

PURPOSE-BUILT



1-2

Specify one or two sensor modules with every KyberMini.

Choose the sensing capability required for the location—from airborne particulate and gases to weather, light, noise and rainfall. The result is a focused field unit, not an over-specified box.

AVAILABLE SENSOR FAMILIES



Air particulate

PM1.0, PM2.5 and PM10



Environment

Temperature, humidity, pressure,
VOC / IAQ



Target gases

CO2, O3, H2S, NO2, CO and
SO2



Site conditions

Light, UV, ambient noise and
rainfall



Weather station

Wind, rain and key local
conditions



Lightning

Storm activity and distance
estimate

One platform. A focused measurement plan.

Use KyberMini for focused environmental monitoring, perimeter and construction dust, community air quality, industrial boundaries, micro-weather and outdoor conditions—without carrying sensor capability you do not need.

Air & environmental modules

Select one or two sensor modules to suit your site and monitoring objective.

Core air-quality and environmental monitoring

SENSOR MODULE	MEASURES	MEASUREMENT RANGE	TYPICAL PERFORMANCE
Air particulate	PM1.0, PM2.5 & PM10	0–1,000 ug/m3	1 s update; laser-scattering measurement
Environmental	Temperature, humidity, barometric pressure & VOC / IAQ indicator	-40–85 C; 0–100 %RH; 300–1,100 hPa	±1 C; ±3 %RH; ±1 hPa
Carbon dioxide	CO2	400–5,000 ppm	±(40 ppm + 5% of reading)

Target gas monitoring

SENSOR MODULE	MEASURES	MEASUREMENT RANGE	TYPICAL PERFORMANCE
Ozone	O3	0–10 ppm	0.1 ppm resolution
Hydrogen sulfide	H2S	0–100 ppm	1 ppm resolution
Nitrogen dioxide	NO2	0–20 ppm	0.1 ppm resolution
Carbon monoxide	CO	0–1,000 ppm	1 ppm resolution
Sulfur dioxide	SO2	0–20 ppm	0.1 ppm resolution



Pair complementary measurements

Typical combinations include particulate + environmental, CO2 + environmental, or a target gas + environmental module.

Site condition & weather modules

For outdoor operations and contextual monitoring, select a site-condition module or the complete seven-variable weather station as one of the one or two KyberMini sensor selections.

Standalone site-condition monitoring			
SENSOR MODULE	MEASURES	MEASUREMENT RANGE	TYPICAL PERFORMANCE
Ultraviolet	UVA intensity	0–15 mW/cm2	0.01 mW/cm2 resolution
Visible light	Ambient illuminance	1–65,535 lux	Approx. 1.2 lux resolution
Ambient noise	A-weighted sound level	30–130 dBA	±1.5 dB typical error
Rainfall	Accumulated rain	0–999.9 mm	0.2794 mm per increment
Lightning	Storm activity & distance	1–40 km estimate	Indoor / outdoor event discrimination

Seven-variable weather station (one selectable sensor module)			
SENSOR MODULE	MEASURES	MEASUREMENT RANGE	TYPICAL PERFORMANCE
Wind speed	Cup anemometer	0–70 m/s	0.1 m/s resolution
Wind direction	Compass bearing	0–359 degrees	1 degree resolution
Air temperature	Ambient temperature	-40–80 C	0.1 C resolution
Relative humidity	Ambient moisture	0–100 %RH	0.1 %RH resolution
Barometric pressure	Atmospheric pressure	300–1,100 hPa	0.1 hPa resolution
Illuminance	Ambient light	0–200,000 lux	1 lux resolution
Rainfall	Accumulated rain	0–999.9 mm	0.1 mm resolution