

9-in-1 Weather Station

A compact outdoor station that combines local weather, sound and particulate context in one clear field view.

ULTRASONIC WIND

PM2.5 + PM10

CLOUD READY



ACTUAL 9-IN-1 SENSOR

Nine field variables. One integrated station.

KyberMini brings weather, ambient sound and particulate information together for a richer picture of on-site conditions. It is ideal where environmental context supports better operational decisions.

• What it measures

**Wind speed**

0 - 40 m/s

**Wind direction**

0 - 359 degrees

**Temperature**

-40 to 80 C

**Relative humidity**

0 - 99 %RH

**Atmospheric pressure**

0 - 120 kPa

**Light intensity**

0 - 200,000 lux

**Ambient noise**

30 - 120 dB

**PM2.5**

0 - 1,000 ug/m3

**PM10**

0 - 1,000 ug/m3

Specification overview

Published sensor values for the integrated 9-in-1 weather station. KyberMini configuration is tailored to the deployment.

Measurement	Range	Accuracy	Response time
Wind speed	0 - 40 m/s; 0.5 m/s start	+/- (0.5 + 2% FS)	1 s
Wind direction	0 - 359 degrees	+/- 3 degrees	1 s
Temperature	-40 to 80 C	+/- 0.5 C	<= 1 s
Relative humidity	0 - 99 %RH	+/- 3 %RH	<= 1 s
Atmospheric pressure	0 - 120 kPa	+/- 0.15 kPa	<= 2 s
Light intensity	0 - 200,000 lux	+/- 7%	<= 2 s
Ambient noise	30 - 120 dB	+/- 0.5 dB	<= 1 s
PM2.5	0 - 1,000 ug/m3	+/- 3% FS at 100 ug/m3	<= 90 s
PM10	0 - 1,000 ug/m3	Particle-counting measurement	<= 90 s

SYSTEM & DEPLOYMENT	
Sensor housing	UV-resistant ABS housing; IP54 protection
Wind technology	Ultrasonic measurement with no moving wind parts
KyberMini data	Live dashboard, history, alerts and integration-ready field data

Designed for richer context

- Agriculture and greenhouse operations
- Construction and industrial boundaries
- Weather-aware air-quality monitoring
- Smart-city and research deployments

Installation note

Mount in an open location with clear exposure to prevailing conditions. Keep the sensing area clean and free of dust or obstructions for dependable field readings.

Values are published sensor specifications and are intended as a concise product guide. Site design and mounting are configured for the selected KyberMini deployment.