

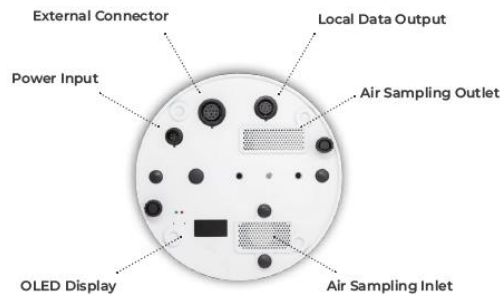


AERNODE

Aernode INDOOR

Compact system for continuous indoor air quality monitoring. Integrates multiparameter sensors, Wi-Fi, Modbus RTU, and 4G modem. Wall-mounted or desktop installation, with built-in GNSS for geolocation.

Measures temperature, humidity, CO₂, PM_{2.5}, TVOC and Luminosity



TECHNICAL SPECIFICATIONS

Enclosure	Polymer Composite · IP44	Power Supply	5-12 Vdc
Connectivity	Wi-Fi · 4G · Modbus RTU RS485	Power Consumption	2-6W
Transmission Frequency	30 sec to 60 minutes	Configuration Access	Local (Wi-Fi AP) or Remote (Cloud)
Display	OLED	GNSS	GPS · GLONASS · Galileo · BeiDou
Operating Range	-20 °C to +50 °C 0 to 95% RH	Weight & Size (L x H)	700 gr. - 200 x 100 mm

SENSORS			Range	Unit	Resolution	Uncertainty	Operating Life
C°	Temperature	Solid State	-40 to 80	°C	0.5	5%	> 36 months
Ur	Relative Humidity	Solid State	0 - 100	%	0.3	5%	> 36 months
CO ₂	Carbon Dioxide	NDIR	400-5,000	ppm	3.0	10%	> 36 months
PM 2.5	Particulate Matter	OPC	0-1,000	µg/m ³	1.0	10%	> 36 months
TVOC index	Volatile Organic Compounds	MOX	0-500	Index points	1.0	10%	> 36 months
LUX	Luminosity	Solid State	1-10,000	Lux	1.0	5%	> 36 months