



Kaiterra Sensedge

INDOOR AIR QUALITY MONITOR



SENSOR SPECIFICATIONS		
Particulate Matter 2.5 (PM2.5)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Light scattering (350 nm) 1-1000 $\mu\text{g}/\text{m}^3$ 1 $\mu\text{g}/\text{m}^3$ $\pm 10\%$ ($< 30 \mu\text{g}/\text{m}^3$: $\pm 3 \mu\text{g}/\text{m}^3$)
Total Volatile Organic Compounds (TVOCs)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Metal Oxide Semiconductor Sensor (MOS) 125-600 ppb 1 ppb $\pm 15\%$
Carbon Dioxide (CO2)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Non-dispersive infrared 400-2000 ppm 1 ppm $\pm 3\%$ ± 50 ppm
Temperature	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Digital -20-100 $^{\circ}\text{C}$ 1 $^{\circ}\text{C}$ $\pm 1 \text{ }^{\circ}\text{C}$
Relative Humidity	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Digital 0 - 99%RH 1%RH $\pm 5\%$ RH
BASIC INFORMATION		
DIMENSIONS Length: 184 mm (7.2 in) Width: 146 mm (5.7 in) Height: 48 mm (1.9 in)	WEIGHT Unit Weight: 800 g (1.76 lbs)	CONNECTIVITY & INTEGRATION - Wi-Fi Connection 2.4GHz - Ethernet - BACnet/IP - Support for hidden SSIDs, captive portals, and proxy servers
OPERATIONAL ENVIRONMENT Operating Temperature: 0 - 50 $^{\circ}\text{C}$ Operating Humidity: 5 to 95% RH, non-condensing		DATA STORAGE & LOGGING Log Interval: 1 minute, 1 hour, 1 day Data Push Interval: 1 minute Onboard Memory: 8GB (>50,000,000 data points)
POWER CONSUMPTION Input: DC - 5 V; 1.8 A Operating: N/A	BATTERY Capacity & Voltage: 5200mAh Usage Time: N/A	WARRANTY & DURABILITY Warranty: 1 year (optional extended warranty w/ contract) Expected Lifespan: N/A
ACCESSORIES - Wall mount - Drywall anchors & screws - 5v~2A USB-A wall adapter (regional variants included) - 2m USB-A cable		OTHER CERTIFICATIONS - ROHS; REACH; WEEE - FCC; CE - SRRC



This indoor air quality monitor has met the RESET™ Air Performance Standard for Commercial Grade (B) Monitors and is accredited for use in projects pursuing RESET™ Certification.