

aethair PRO

Technical Specifications



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General		Input Voltage	5 - 24 VDC, 110-240 VAC		
		Power	0.6 Watt Built-In Battery & Charger		
		Alerts	Visual and Audio		
		Operating Temperature	-30 °C to 75 °C (-22 F to 167 F)		
		Accelerometer	16g (13-bit resolution)		
		Dimensions (LxWxD)	4.5in x 9.625in x 4.5in		
		Weight	1.72 Lbs (0.78 kg)		
		Certifications	CE, FCC		
		Basic Gas Sensors		CO Basic	Range
Resolution	1 ppm				
CO ₂ Basic	Range			400 - 5000 ppm	
	Resolution			1 ppm +/- 45 ppm accuracy	
COMING SOON MultiSense Module CO, HCHO, EtOH	Range			CO 0-1000 ppm HCHO 0-20 ppm EtOH 0-1000 ppm	
	Resolution			CO .5 ppm HCHO .02 ppm EtOH .5ppm	
Advanced Gas Sensors		CH ₄	Range	50 - 1,000,000 ppm, 0 - 100% by vol.	
			Resolution	1 ppm	
		NO ₂	Range	0 - 20 ppm	
			Resolution	1 ppb	
		MiniPID - PPM	Range	0 - 4000 ppm	
			Resolution	.01 ppm	
		MiniPID - PPB	Range	0 - 20 ppm	
			Resolution	1 ppb	
		COMING SOON	CO	Range	0 - 1000 ppm
		Resolution		1 ppb	
		COMING SOON	NO	Range	0 - 20 ppm
		Resolution		1 ppb	
		COMING SOON	CO ₂	Range	400 - 5000ppm
		Resolution		1 ppm	
		*Additional sensors can be included based on the application			
Dual Laser Particle Sensor		Size Range	PM1, PM2.5, PM10, TSP		
		PM2.5, PM10 Effective Range	0~1000µg/m ³		
		PM2.5, PM10 Maximum Range	≥5000µg/m ³		
		TSP Effective Range	0~2000µg/m ³		
		TSP Maximum Range	≥10000µg/m ³		
		Particle Resolution	1µg/m ³		
Environmental Sensors		Temperature	Range	-20 - 70 °C	
			Resolution	0.1 °C	
			Maximum Error	±0.5 °C	
		Humidity	Range	0 - 90% RH	
			Resolution	0.1 %RH	
			Maximum Error	±2 %RH	
		Barometer <small>Optional differential pressure sensors</small>	Range	300-1100 hPa	
			Resolution	±0.12 Pa	
			Maximum Error	±1.3 Pa	
		Ambient Light Sensor	Effective Range	0 to 10,000 lumen	
		Noise Level Sensor <small>Digital MEMS w/o preamp</small>	Range	40 - 120 db	
			Resolution	1 db	
Communications		Cellular	4G LTE / 3G / 2G		
		WiFi	803.11 b/g/n		
		Bluetooth	Bluetooth 4.0		
		Mesh	Zigbee		
		GPS	A-GPS		
		Antenna	Built-in		
		SIM Card	Built-in		