airthinx GO

Technical Specifications

airthinx

Product Specifications

Gas Sensors	CH_2O	Effective Range	0~1 mg/m³
		Resolution	0.001 mg/m³
		Maximum Error	<5% FS
	CO_2	Effective Range	400 - 3000 ppm
		Resolution	1 ppm
		Maximum Consistency Error	±50ppm+5%FS
		Single Response Time	< 3 sec.
		Total Response Time	≤ 25 sec.
	tVOCs (EtOH)	Effective Range	0 - 10 ppm
	tVOCs (C_4H_8)	Effective Range	0 - 1 ppm
PM Sensors		PM 1, PM 2.5, PM 10	0.3~1.0; 1.0~2.5; 2.5~10 µm
		Effective Range	0~500 µg/m³
		Resolution	1 µg/m³
		Efficiency	98%>=0.5µm
		Maximum Consistency Error	±10% @100~500 µg/m³
		Standard Volume	0.1L
Environmental Sensors	Temperature	Range	0° - 45° C
		Resolution	0.1 °C
		Maximum Error	±0.5° C from 15° - 30° C
	Humidity	Range	15 - 75% RH
		Resolution	0.1 %RH
		Maximum Error	±2 %RH
	Barometer	Range	300-1100 hPa
		Resolution	±0.12 Pa
		Maximum Error	±1.3 Pa

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Product Specifications

Communications	**Cellular**	LTE/HSPA+/HSPA/GPRS
	WiFi	802.11 b/g
	Bluetooth	Bluetooth 4.0
	Mesh	Zigbee
	GPS	A-GPS
	Antenna	Built-in (HSPA+/HSPA/GPRS, WiFi, Bluetooth, Mesh)
	SIM Card	Built-in
Air Purification	**UV Air Sterilization Process**	The built in air quality monitor adjusts the purification to work as needed and at different intensities based on the AI.
	Bi-Polar Ionization	
General	**Air Cycles Per Hour**	Expected 4+ complete air circulation per hour in typical car cabin with closed windows.
	Flow Rate	11.3 CFM
	Input Voltage	5 - 12 VDC
	Power	0.6 Watt
	Operating Temperature	0° - 45° C
	Accelerometer	16g (13-bit resolution)