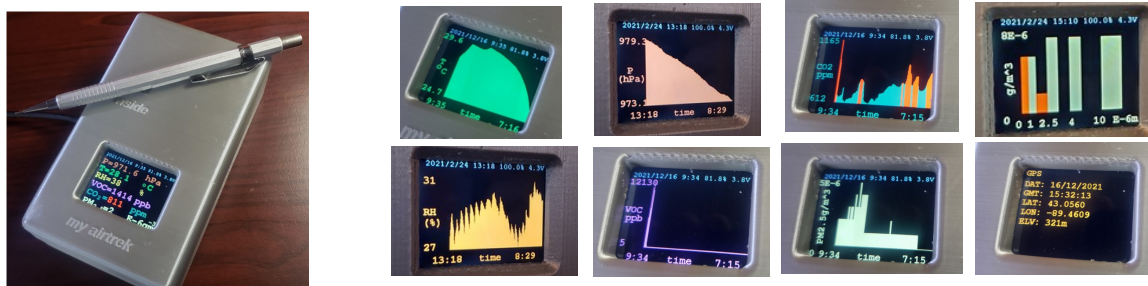




my airtrek

Integrated environmental monitoring system with global positioning

my airtrek is a compact, wearable, fully integrated and independent environmental monitoring system. It measures, displays and stores time and GPS location stamped the air temperature, barometric pressure, relative humidity, total volatile organic compounds, carbon dioxide and aerosol concentration in four size channels.



Dimensions	128mm x 78mm x 41mm
Mass	250 g
Operation range	Pressure 6 kPa to 250 kPa
	Temperature -40 °C to 70 °C
	Relative humidity 0% to 100%
	Carbon dioxide concentration 400 ppm to 10000 ppm
	Total volatile organic compound concentration 0 to 1187 ppb
	Particulate matter sensor can detect aerosols with mass concentration from 0 µg/m ³ to 1000 µg/m ³ in four size channels PM1, PM2.5, PM4, and PM10
Full range accuracy	Pressure ± 1.5% FSS TEB
	Temperature ± 0.5 °C
	Relative humidity ± 3 %
	Carbon dioxide concentration 30 ppm ± 3.0%
	VOC has variability and to get precise measurements needs calibration against known sources
	From 0 µg/m ³ to 100 µg/m ³ aerosol concentration range, the accuracy is PM2.5: ±15µg/m ³ , PM1.0, PM4.0, PM10: ±25 µg/m ³ From 100 µg/m ³ to 1000 µg/m ³ aerosol concentration range, the accuracy is PM2.5: ±15 %; PM1.0, PM4.0, PM10: ±25%
Power supply	5V DC USB external rechargeable 2500mAh 30 minutes hot swap rechargeable Li polymer 3.7V 500mAh internal
Memory	8GB detachable micro SD card
Display	2" 320x240 color IPS TFT
Global positioning	Support for GPS, GLONASS, GALILEO, QZSS165 dBm sensitivity up to 10 Hz updates up to 210 PRN channels with 99 search channels and 33 simultaneous tracking channels

my airtrek is priced at **\$545\$** (plus taxes and shipping), has **two weeks** manufacturing lead time and **three month** unlimited warranty (repair, replace, refund). This monitor is fully calibrated. All the profits from the sale will be used to developing internally new air quality monitoring instruments for personal use.