

CTmini: COMPACT PARTICULATE MONITOR



Introducing the Scentroid CTmini, a versatile device designed to meet your environmental monitoring needs. CTmini provides you with accurate and reliable particulate monitoring as well as temperature, relative humidity, and pressure.

Continuous Monitoring:

Data is collected every minute and sent to Scentroid's powerful cloud based software solution - SIMS3, via WiFi connection. In the event of a communication interruption, an internal memory card ensures no data loss.

MET Station Compatible:

The CTmini can be equipped with Scentroid's ultrasonic weather station providing additional measurements such as wind speed, wind direction, and precipitation.

Versatility:

Ideal for a wide range of applications ranging from outdoor monitoring, perimeter monitoring, dust control operations, environmental research studies, construction site monitoring, or even Urban Pollution studies. CTmini has you covered!



Solar or Wind Powered Options!

The CTmini is able to connect to solar panels or wind turbines, ensuring continuous operation even in areas lacking traditional power sources.



Powerful Dust Analysis

High accuracy dust analysis (PM 1, 2.5, 4, and 10) using a patented multi-beam laser counter and heated sampler.



Small and Lightweight

The CTmini is smaller than comparable analyzers minimizing cost and spatial real estate.



Continuous MET Data Collection

CTmini units are equipped with high accuracy temperature, relative humidity and pressure sensors



Particulate Source Tracking

Track the location(s) of unknown particulate matter sources utilizing back trajectory within our SIMS3 Cloud Software.



Dimensions, Weight	160 mm x 160 mm x 40 mm. 400g
Sensors	PM 1, 2.5, 4, and 10. Temp., Humidity. Includes CO2 (GHG), VOC INDEX AND NOX INDEX, (2) Optional Electro-Polymer Sensors
Power	110 VAC, Rechargeable battery c/w Solar Panel and/or Wind Turbine for continuous operation
Local Storage	16GB SD card, Long-term continuous monitoring
Communication	WiFi standard, optional modem
Data Usage	20 MB/month of Data when sending 1 min average
Battery Only Runtime	Up to 1 week of rechargeable battery life
Temp/Humid Range	-50 °C to 50 °C(Temperature), 0% - 95%(RH)
Mounting	Wall mount, pole mount, or tripod
IP Rating	IP65
PM Sensor Detection	Max detection limit 1000 ug/m3, lowest detection threshold 1 ug/m3
PM Sensor Resolution	1 ug/m3