

WHAT'S IN YOUR CITY'S AIR?



CTair Urban Air Quality CORDLESS CONTINUOUS MONITORING SOLUTION

Compact, cordless, easy to use, high accuracy sensing. The CTair revolutionizes the air quality monitoring network industry. Understanding urban air pollution and the potential impact on health is fundamental to both city structure and planning.

The CTair+ monitoring station is a fixed unit that collects information from a variety of sensors and presents the data in an easy to understand graphical interface. By applying information collected from multiple data points, the CTair allows the user gain a complete understanding of the chemical compounds being monitored. It has been designed to be dispatched into a network of CTair units. Due to its lightweight design the CTair unit can easily be installed and mounted to a light fixture or utility pole.



Solar Powered Option Available!

No power? No problem! The CTair features an optional solar power generating system. Just angle the panel and turn on your unit!



Powerful Dust Analysis

High accuracy dust analysis (PM1, 2.5, and 10) using a patented multi-beam laser counter and heated sampler.



Small and Lightweight

The CTair is smaller than comparable analysers minimizing cost and spatial real estate.



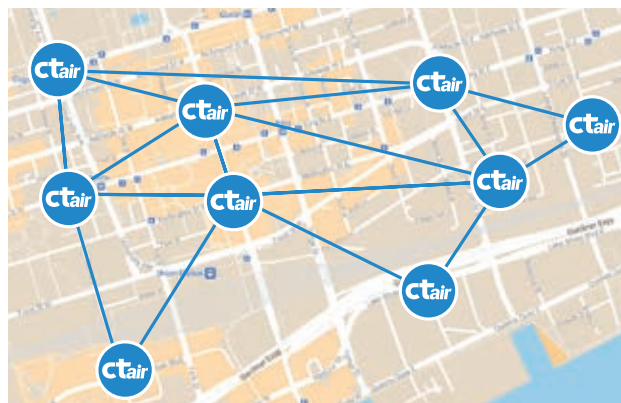
Smart Networking

CTair units work in tandem to predict and collect data for an accurate air quality assessment in a large urban landscape.



AI Compensation

The temperature and humidity compensation utilized by our AI modeller is able to predict pollutant levels to 96% of true concentration



Mesh Networking System

Rather than each CTair operating independently; a grid of CTair units creates a unique mesh network. All units communicate together through hubs, operating through an encrypted LoRa-Mesh network. Each CTair has a built-in redundancy; should a unit fail to communicate, data will be rerouted to another unit ensuring minimal loss.



Flexible Sensing and Compact Design

The CTair has been designed to hold multiple individual sensors. These can be specified from a list of over 50+ traceable chemical compounds (list can be found on our website under 'sensor technology'). The CTair has been built to withstand temperatures ranging from -40 °C to 40 °C, through the use of our heating module.



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