

# FLEXIBLE SENSING: CTAIR WITH AC

## AMBIENT + OCU COMPACT AIR QUALITY MONITOR



### EQUIPPED WITH AIR CONDITIONING

The CTair is capable of operation in the hottest climates with our new Air Conditioner attachment!

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

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.



#### Powerful H2S Sensor

Two different sensor strengths - HC and LC - 0 to 1000 ppm sensing, and 0 - 9.9 ppm (1 ppm resolution or 1 ppb resolution)



#### Small and Lightweight

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



#### Continuous Data Collection

CTair units perform up to 1 sample per minute through forced-air active sampling



#### Source Tracking

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



#### AI Compensation

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

<b>Weight, Dimensions</b>	14.7 x 13 x 7.25 in, 4.8 kg
<b>Equipped Sensor(s)</b>	Hydrogen Sulfide (H2S)
<b>Sampling Rate</b>	1 Per Minute
<b>Communication</b>	3G, 4G, 4-20 mA signal (x4)
<b>LED Indicator</b>	Color-changing LED Light Displaying Unit Status
<b>Power Requirements</b>	100 - 240V 5w no A/C unit, 90W max with AC on
<b>Mounting</b>	Configurable for wall or pole mount
<b>Cloud Server</b>	SIMS3 Data Logging, Analysis, Alarms, Remote Management
<b>Temp, RH Range</b>	-40 to 50°C equipped with AC Unit, 10 - 100% RH
<b>Device Health</b>	Daily Sensor Health & Replacement Check and Reminders
<b>Warranty</b>	24 Months Full Warranty (Parts, Including Sensors)
<b>Mounting, Security</b>	Configurable for Wall or Pole Mount, Securable by Cable/Pad Lock
<b>Internal Storage</b>	64GB - SD Card
<b>Enclosure</b>	CSA Type 4x Stainless Steel
<b>Calibration</b>	Factory Calibrated to Fully Documented Procedures in Accordance with ISO 9001 QMS