



AIRLOGICS
AIR MONITORING SYSTEMS

NEW & IMPROVED

CLASSIC 2.0 SYSTEM



POWER OPTIONS:
110-line power

**The AirLogics "Classic" is our most
robust monitoring system**

About AirLogics, LLC

AirLogics occupies a unique place in the environmental consulting and air monitoring sector. Our company was formed from a top-tier environmental consultancy that was trying to help a client manage their risk on a remediation site. In developing a solution to reduce their risk, an innovative and patented air monitoring system was born. From there, a company was built around that system. What evolved was a company that appears to be a rental equipment company, but functions like and has the sensibilities of a professional consulting firm, including the professional staff, expertise, and attention to solving our clients problems. We are proud of the position that AirLogics occupies in the environmental and air monitoring space.

The AirLogics Advantage

The primary advantages of AirLogics over traditional rental equipment providers are:

✓ Professional Services

Our degreed and licensed professionals are scientists, engineers, and consultants with subject matter experience who can help you better achieve your site management goals. From planning to execution to post-mobilization reporting, AirLogics can assist you reduce your risk.

✓ State-of-the-Art Industry Leader

We are experts in field gas chromatography (GC). Our field GCs provide compound-specific VOC data. Our competitors simply cannot promise this, because they do not use field GCs. With so many potential sources of background contamination, our state-of-the-art field GCs provide the detailed data and information you need to make informed decisions.

✓ Real-time

Numerous stakeholders can benefit from actionable, real-time data. Real-time management of ambient air quality, rather than passive measurement and retrospective documentation, helps users immediately identify potential emissions and begin corrective action.

Classic 2.0 by AirLogics



What makes version 2.0 the perfect upgrade

AirLogics has taken our flagship system to a whole new level. In 2022, the Classic system was significantly upgraded. Now the Classic 2.0, features:

- A brand new state of the art field GC
- Independently operated PID
- Cellular communications
- Cloud-based data storage and management
- A more efficient, sustainable, and cost-effective calibration and carrier gas
- Less frequent calibrations
- Lower overall operational cost

AirLogic's "Classic" systems are our most robust real-time monitoring systems. They can measure the following parameters in real-time:

- Total volatile organic compounds TVOCs (via a PID)
- Compound-specific VOCs (via a robust field gas chromatographs [GC]), including BTEX, chlorinated solvents, and hundreds of other compounds
- Particulates (i.e. dust)

What is it?

AirLogics configures our Classic systems with our brand new GC (by Nanova) and a PID (by Aeroqual).

The onboard PID can measure TVOC concentrations in real time. Our new Nanova GC sits in a “ready” state and does not run unless the PID readings exceed a preset action level. The system then pulls a sample for the GC to analyze for compound-specific monitoring.

Our direct-reading real-time particulate meters can monitor dust using infrared electromagnetic radiation to sense airborne particles. The dust meter can be configured to respond only to dust particles < 10 micron in diameter (PM10), dust particles < 2.5 microns (PM2.5), or total suspended particulate.

Weather

Our systems come with an on-site meteorological tower is used to measure wind speed, direction, dry-bulb temperature, and relative humidity.

Power

The Classic system operates on 110-line power.

Optional configurations are available.

What can we detect?



VOCs



SVOCs

(via dust as a surrogate)



Chlorinated solvents



Particulate Matter/dust

[A full list of the compounds that can be detected can be found here.](#)

Specifications

- 1** **Communications:**
Cellular

2 **Averaging Periods**
1min- 15min

- 3** **Power Requirements:**
110-line power
700Watts at 120 volt

4 **PM Sampling System:**
MetOne
Nephelometer

- 5** **Dimensions:**
3 ft x 2ft x 6 ft

6 **Weight:**
300.lbs +

- 7** **CG Features**
VOC Trapping with thermal desorption tube for 1 ppb to 1 ppm; Injection loop for 200 ppb to 200 ppm.

Customizable column material and length to theoretically detect 1,000's of compounds.

Sampling Rate: 10 mL/min
Ramping Speed: up to 60° C/min

Operating Temp: 5° - 40° C

Dust Meter	Sizes	Range	Accuracy	Resolution	Detectable Limit
MetOne Nephelometer	PM1/PM2.5/PM10/TSP	0.001 to 400mg/m3	+5%	+0.1%	0.001mg/m3

Instrument	Range	Resolution	Relative Standard Deviation
Nanova	10ppb - 10ppm	1-10 ppb depending on species	< 5%
PID by Aeroqual	Low range: 0-500ppb High range: 0-30ppm	Low range 0.1ppb High range 10ppb	<2%



Classic 2.0
by AirLogics

Data Access, Management & Visualization

Classic 2.0
by AirLogics



Our system processes over **thousands** of datapoints per day



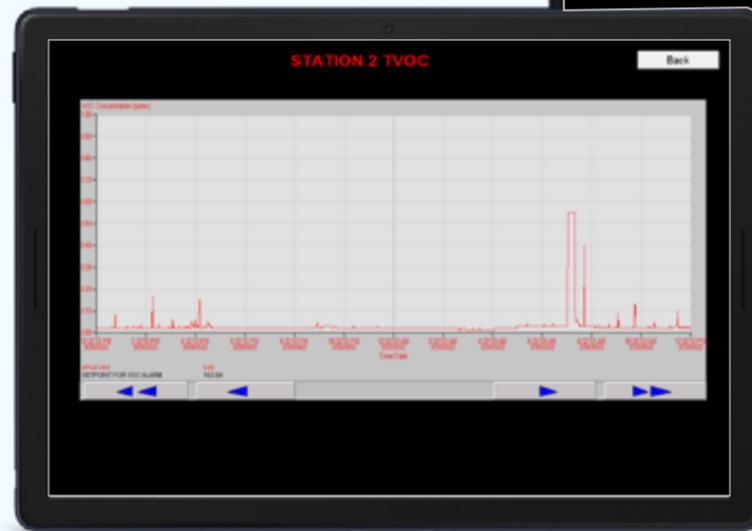
Connect to Cloud
in **under 3 minutes**



Customizable Data
Visualizations



Compatible with
1,000's of different
monitor configurations



Get alerts via SMS / email
within **60 seconds** of an event



Achieve greater
than **99% uptime**



AIRLOGICS

AIR MONITORING SYSTEMS

Need an air monitoring solution? Contact us today so we can discuss the specifics of your project.

Address

150 Cooper Road
Suite I-24
West Berlin, NJ 08091

Phone

Tel: 908.803.1014

Email

info@AirLogicsLLC.com