

Model 8100

Air Guardian



Air Monitoring and Purification System

What is it?

The Air Guardian provides detection using gas chromatography to sense explosive, narcotic, and toxic chemicals as low as parts-per-billion concentrations and refreshes the air using filters and ion generation. The resulting air has less bacteria, viruses, dust, and pollutants as well as greatly reduced odors.



How does it work?

The Air Guardian draws in air from the floor level. The detector samples the air and reports air quality. Then the air flows through the filters, over the ion generator and returns to the room. Information output uses Bluetooth technology to connect to a computer for user notification and control.

Specifications

Operational Features:

Security Monitoring:

Detection

- Identifies explosive or hazardous chemicals including TATP, TNT, DNT, etc.

Analysis Period

- Adjustable from once per minute to once hour

Sensitivity

- Low ppb level for most compounds
- Variable sampling periods from one second to minutes

Air Quality/Purification:

Filtration

- 0.7 micron filters

Ion Generation

- Kills bacteria, viruses
- Removes contaminants

Physical Requirements:

Capacity:

- Coverage 5000 sq. ft (approx.)
- Air flow 1600 CFM

Dimensions

- Depth 15 in
- Width 37 in
- Height 36 in

Power

- 120 - 240 VAC at 20 amps MAX

Fully Assembled

- Unit comes in "plug-n-play" configuration. Mount in place and connect power.

System Controller Software

Notebook Controller configured and integrated with the following:

- Laptop Computer with Windows Operating System (English Version)
- 24/7 Operation

Maintenance (Once per month)

- Filters: 2 (12"x2"x24")
- (Optional charcoal filter)
- Helium – refillable/replaceable bottle