

# AirGuard Plus

Portable Breathing Air Filtration System

Carbon Monoxide, (Oxygen or Hydrogen Sulfide) and Pressure Dew Point



### PRODUCT HIGHLIGHTS

- **Meets OSHA Grade D breathing air requirements**
- **CO, (O<sub>2</sub> or H<sub>2</sub>S) and dewpoint**
- **Removes oils, solid particles, water, and unpleasant odors**
- **Respirator CFM and sensor flow alarms**
- **Visual and audible alarms**
- **Datalog - OSHA compliance records**
- **Portable - battery operated, rechargeable**

AirGuard Plus is a perfect solution for OSHA Grade D compressed breathing air requirements. It integrates breathing air filtration with sensors for carbon monoxide (CO), oxygen (O<sub>2</sub>), or hydrogen sulfide (H<sub>2</sub>S), pressure dew point, and adjustable manifold pressure setpoint.

Designed with the user in mind, AirGuard Plus has an external, easy-to-read display to communicate threats beyond general audible alarm warnings. The display is readable from over 30 feet, allowing for a quick response when it detects a hazardous situation.

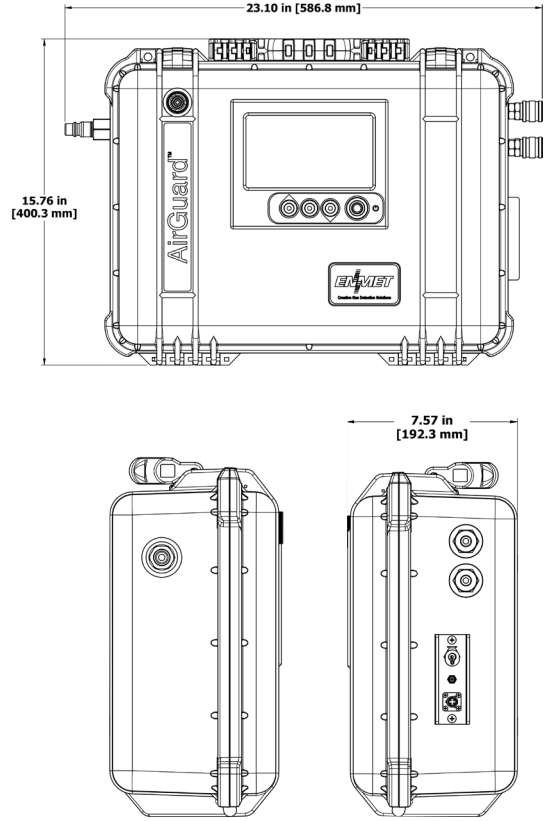
Using its menu-driven interface, AirGuard Plus is easy to operate. It provides a system status upon power-up and, most importantly, keeps track of the sensor sta-

tus and calibration interval. The AirGuard data log records all the real-time sensor data, calibration events, and diagnostic data. This data is easily downloadable to a PC using the removable USB drive. The data log automatically collects all data. This ensures there is a complete operational record for OSHA compliance reporting.

The AirGuard Plus has a 30 CFM capacity with two output connections for NIOSH-approved supplied air respirators. It can be configured to use either Hansen or Schrader standard connections, allowing ease of compatibility with breathing air accessories. AirGuard Plus utilizes a state of the art three-stage air filtration system that removes oils, water, solid particles, and unpleasant odors.

## GENERAL SPECIFICATIONS

|                              |   |
|------------------------------|---|
| <b>Display:</b>              | Backlit, 7" diagonal color display  |
| <b>Alarms:</b>               | User programmable   |
| <b>Air Flow Alarm Pt:</b>    | < 5 CFM $\pm$ 1 CFM   |
| <b>Sensor Types:</b>         | Carbon Monoxide (0 to 50 ppm)<br>Oxygen (0 to 30%)<br>Hydrogen Sulfide (0 to 100 ppm)<br>Pressure Dew Point (-55°F to ambient)              |
| <b>Sensor Accuracy:</b>      | Carbon Monoxide: $\pm$ 5% @ 10 ppm<br>Oxygen $\pm$ 5% @ 20.9%<br>Hydrogen Sulfide $\pm$ 5% @ 10 ppm<br>Pressure Dew Point: $\pm$ 2°F @ 50°F |
| <b>Sensor Response Time:</b> | <60 seconds   |
| <b>Keypad:</b>               | 3-button touch, weatherproof<br>w/tactile feedback  |
| <b>Battery Life:</b>         | 10 hours before recharge  |
| <b>Data Logging:</b>         | 2 points per minute   |
| <b>Data Storage Medium:</b>  | USB memory stick  |
| <b>Fittings:</b>             | Hansen or Schrader Connections  |
| <b>Inlet Pressure:</b>       | Maximum 150 psi   |
| <b>Total Air Capacity:</b>   | Maximum 30 CFM  |
| <b>Outlet Connection:</b>    | Supplied with two couplings   |
| <b>Inlet Port:</b>           | 1/2 inch quick disconnect   |
| <b>Filter Train:</b>         | 3-stages of filtration<br>(5 micron, 0.01 micron, carbon adsorber)  |
| <b>Weight:</b>               | 24.6 Lbs.   |
| <b>Warranty:</b>             | 2 years on sensors and monitor<br>(excluding replacement filters)   |



AirGuard Plus Dimensional Drawings

## ORDERING INFORMATION

| Description  | Part Number    |
|--|----------------|
| AirGuard - Portable, 30 CFM, Two Couplings Hansen, CO, O <sub>2</sub> and Pressure Dew Point Sensors   | AGP-30-2-00-02 |
| AirGuard - Portable, 30 CFM, Two Couplings Hansen, CO, H <sub>2</sub> S and Pressure Dew Point Sensors | AGP-30-2-01-03 |



680 Fairfield Ct., Ann Arbor, MI, 48108, USA  
Phone: 734-761-1270  
[www.enmet.com](http://www.enmet.com)

AirGuard Plus 6/2025-V1  
This brochure is for informational purposes only  
and is subject to change without notice.