

# Carbon Monoxide (CO) / Oxygen (O<sub>2</sub>) Monitors

## Made and Serviced in Chesapeake, Virginia



Carbon Monoxide (CO) Monitor



Carbon Monoxide (CO) and Oxygen (O<sub>2</sub>) Monitor



Intrinsically Safe (IS) CO Monitor



### Airline Monitor Details:

- **Calibration time:** Less than 2 minutes
- **Monitor display:** LCD 3 digit readout
- **Temperature range:** 4°F to 113°F (-20°C to 45°C)
- **Accuracy:** +/- 1% of full scale
- **Monitor range:** Carbon Monoxide (CO) 0-200 ppm, Oxygen (O<sub>2</sub>) optional 15-23%
- **Pressure / flow range:** 1-3 psi, flow 50-100 cc
- **Response:** 90% of full scale in 10 seconds
- **Sensor type:** 3 electrode electrochemical with bias voltage
- **Humidity range:** 5% to 95% relative humidity
- **Warranty:** 2 years on entire unit and CO sensor (1 year on O<sub>2</sub> sensor)
- **Alarm set point:** 10 ppm CO (5 ppm Canada); 19.5% O<sub>2</sub>
- **Voltage operation:** 115 VAC, dual 9 VDC battery, or 8-16 VDC (230 VAC optional)
- **Shielding:** Internal RFI/EMI circuitry, aluminum case
- **Test circuitry:** Manual push-to-test for sensor operation and alarms
- **Warning indicators:** Low battery (amber), normal operation (green), high CO (red), low O<sub>2</sub> option (red) - LED locations may vary with model ordered
- **Output signals (standard):** DC output on portables, AC output on panel versions
- **Monitor housing:** Black anodized aluminum
- **Control panel standard features:** Inlet gas quick connect coupling, auxiliary 12 VDC jack, on/off/test switch, auxiliary/remote alarm jack, 115 VAC jack
- **Certification:** Intrinsically safe (IS) CO or CO/O<sub>2</sub> monitors available (9 volt only)



### All Breather Box® Portable and Fixed Panel Specifications:

- **1<sup>ST</sup> Stage Filter** - Filter change indicator, automatic drain, removes liquids and particulate to 5.0 micron particle size
- **2<sup>ND</sup> Stage Filter** - Filter change indicator, automatic drain, provides oil coalescing and ultra-fine particulate filtration that is 99.99% efficient at 0.01 micron particle size
- **3<sup>RD</sup> Stage Filter** - Filter change indicator, manual drain, charcoal removes organic vapors and objectionable odors
- In-Line Carbon Monoxide (CO) monitor. Optional CO/O<sub>2</sub> monitor
- 2 year warranty on sensor and entire CO monitor
- **Three standard power options:** dual 9 VDC battery, 8-16 VDC, or 115 VAC, 60 Hz (230 VAC /50 Hz optional)
- AC output supplied standard on all panel mount units (optional intrinsically safe monitors supplied with 9 VDC only)
- All portable and fixed units are available with CSA approved intrinsically safe monitor for work in hazardous locations
- Remote DC alarm jack with cover cap are standard on most portable units
- All Breather Box® filtration units are designed for use in the closed and upright position to prevent internal contamination
- Filter change indicator provided on all 3 filters on most units
- Safety visual flowmeter to verify air flow to monitor, adjustable flow rate: 50-100 cc
- Safety relief valve set at 125 psi for outlet pressure
- External mounted CO warning LED lights and audible alarm, 95 dBA
- Solid aluminum block manifold with manual drain
- All respirator couplings provided with safety lock feature
- 0-160 psi pressure gauge
  - Maximum Inlet Pressure - 150 psi



#### Air Systems' Air Quality Guarantee

We are so confident you will be pleased with the performance of your portable or fixed breathing air filtration system, Air Systems International will provide your first lab certified air quality test at no charge when you purchase any of our Grade-D filtration devices or compressor systems. AirCheck™ kit rental or purchase is required to redeem offer. Please contact our customer service for further details and eligibility.

When ordering replacement monitors, contact Customer Service and provide the model number and serial number of the filtration unit. This will ensure the proper monitor for your system.