

Aircraft Carbon Monoxide Detectors

FOR CERTIFIED AND EXPERIMENTAL AIRCRAFT



PROTECT YOURSELF. PROTECT YOUR PASSENGERS.

Are you and your passengers safe from the invisible threat of Carbon Monoxide poisoning in your general aviation aircraft?

Carbon Monoxide (CO) gas is odorless and tasteless, but its impact is far from invisible when it comes to aviation safety. When inhaled in high concentrations or for over extended periods of time, pilots are subject to severe incapacitation or even death.

Carbon Monoxide attaches to hemoglobin in the red blood cells and has an affinity for attachment 200 times higher than that of plain oxygen. Even just a small amount of CO in your blood supply will severely impact its ability to carry oxygen and it grows even more deadly with higher concentrations. Initial symptoms of low level CO poisoning include headache, tingling feeling in the fingertips, drowsiness, and dizziness – eventually leading to unconsciousness and cardiovascular failure with high or prolonged exposure.

For pilots, the effect of CO exposure is multiplied with flight at higher altitudes. As altitude increases, oxygen saturation levels decrease, and CO effects are more pronounced – leading to dangerous hypoxic situations for pilots and passengers.

The line of Carbon Monoxide detectors for General Aviation aircraft from Guardian Avionics are your first line of defense against the dangers of CO poisoning. Guardian Avionics has over 15 years of experience as the leading manufacturer of CO detection systems for both certified and experimental aircraft. Our units have been installed in thousands of General Aviation aircraft and are recommended installations for many custom panel builders and avionics installers worldwide.

Fly safe and trust Guardian Avionics for your aircraft!

Guardian Avionics CO Detectors are installed as standard factory-installed safety equipment on aircraft from:



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Designed and Manufactured by Guardian Avionics



CO Guardian 152WD Portable CO Detector (Non-TSO, Portable)

A portable solution for basic CO detection for aircraft renters and owners. Powered by a standard aircraft cigarette lighter socket, the unit will generate an alarm and amber light alert in the presence of CO from 50-99 ppm and red light alert for CO above 99 ppm.



CO Guardian 353-101 Panel and 353-201 Remote (Non-TSO)

A small, accurate, and affordable solution for basic CO detection in your homebuilt aircraft. An alarm and amber light alert signifies the presence of CO from 50-99 ppm and red light alert for CO above 99 ppm. Remote mount option requires additional annunciator light installation.



CO Guardian 353P-101 Panel and 353P-201 Remote (Non-TSO)

All the features and benefits of the CO Guardian 353 units with the addition of a pressure sensor for light alerts at 10k, 12.5k, and 14k feet and a headset tone generator. Also, the 353P can report CO alerts on avionics systems from Garmin, JPI, EI, Grand Rapids, and MGL through the RS-232 connection. Remote mount requires additional annunciator light installation. 353N-101 and -201 models connect specifically to Dynon SkyView products.



Aero 451-101 Panel and 451-201 Remote (NORSEE for Certified Aircraft)

A small, accurate, and affordable solution for basic CO detection in your Part 23, 27, or 29 aircraft or helicopter. An alarm and amber light alert signifies the presence of CO from 50-99 ppm and red light alert for CO above 99 ppm. Remote mount option requires additional annunciator light installation.



Aero 452-101 Panel and 452-201 Remote (TSO Certified)

A TSO Certified CO detector for certified aircraft. An alarm and amber light alert signifies the presence of CO from 50-99 ppm and red light alert for CO above 99 ppm. Includes pressure sensor for altitude alerts and headset warning tone generator. Aero 452 units report CO alerts on a variety of 3rd party avionics systems through the RS-232 connection.



Aero 454-201-101 Panel and Aero 454-201-011 Remote (TSO Certified)

A TSO Certified CO detector for certified aircraft with the features and functions of the Aero 452 with the addition of a Bluetooth data connection to stream CO level data and GPS data (from a compatible Garmin system) to your iPad or iPhone through the Guardian Avionics Pilot App.



Aero 551 Digital CO Detector (TSO Certified)

A modern digital CO detector for certified aircraft that monitors and displays the exact CO level in the cockpit from 10-999 ppm with aural and light alerts at CO levels above 75 ppm over the span of 5 minutes. Panel mounted and designed to fit a standard 2.25 inch instrument opening. Includes headset tone generator and pressure sensor.



Aero 553 Multifunction Digital CO Detector (TSO Certified)

The same fast and accurate reporting of the Aero 551 with displays and alerts of critical CO levels, with the additional functionality of a clock, flight timer, stop watch, temperature (OAT / IAT), voltage, cabin altitude, and density altitude. An RS-232 connection allows alerting on 3rd party avionics systems.



Aero 455 Pulse Oximeter / CO Detector (TSO Certified)

The first TSO Certified Aviation Pulse Oximeter and CO Detector that allows the pilot and crew to measure blood oxygen levels (O2 saturation), measure cabin temperature, measure cabin altitude, and provide highly accurate CO detection in the cabin with display on an external unit like the Aero 55 (shown left) or a host of 3rd party avionics units.

Installation Details and Purchasing Info at: GUAV.CO/CODETECTORS