



Training Bulletin

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Ventis PRO CGI W/NO2



Each Ladder company now has a five sensor meter: Lower Explosive Limits (LEL), Oxygen (O2), Hydrogen Sulfide (H2S), Carbon Monoxide (CO), and **Nitrogen Dioxide (NO2)**.

- The updated Ventis PRO CGI's include an additional sensor for Nitrogen Dioxide (NO2) readings in parts per million (PPM) without the need for conversion.
- Newly constructed buildings and facilities in the City now actively monitor for Nitrogen Dioxide (NO2) alongside Carbon Monoxide (CO).
- Gas monitoring alarm responses should consider that Carbon Monoxide (CO) readings may be normal while Nitrogen Dioxide (NO2) levels could be elevated and require monitoring.

Nitrogen Dioxide (NO2):

- Appears as a reddish-brown gas or yellowish-brown liquid with a pungent acrid odor and is shipped as a liquefied gas under normal pressures.
- NO2 vapors are heavier than air, toxic by inhalation and absorption through the skin, and accelerates the burning of combustible materials.
- Nitrogen Dioxide (NO2) can be produced from car & diesel emissions.
- Primarily enters the air from the burning of fuel in automotive, truck, or bus emissions, and can react with water vapor to form nitric acid.

UN Number: 1067/124 Molecular Weight: 46 (heavier than air) IDLH: 20 ppm

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