



Training Bulletin

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4-6 Gas Meter Alarm and Notifications



The majority of companies are now equipped with a gas meter that boasts 4 to 6 sensors, including Lower Explosive Limits (LEL), Oxygen (O₂) which reads in percentages, and Hydrogen Sulfide (H₂S), Carbon Monoxide (CO), Photo Ionization Detector (PID), and Nitrogen Dioxide (NO₂) sensors that read in parts per million (PPM), with no conversion necessary. Nitrogen Dioxide (NO₂) can be produced from car and diesel emissions. In addition, Ladder 3 and the Rescue possess an ammonia meter (NH₃) which reads in PPM.

Calibration of these meters is performed by our Tech Services Team on a scheduled basis every 30 days.

- **LEL** (Calibrated to Methane) reads in percentages and goes into **alarm/action** level at **10%** of the LEL.
- **CO** reads in PPM and goes into **alarm/action** level at **35ppm** of the IDLH.
- **O₂** reads in percentages and goes into **alarm/action** level at **19.5% (Low) and 23.5% (High)**
- **H₂S** reads in PPM and goes into **alarm/action** level at **10ppm**.
- **NO₂** reads in PPM and goes into **alarm/action** level at **10ppm**.
- **PID** reads in PPM and goes into **alarm/action** level at **100ppm**.
- **NH₃** reads in PPM and goes into **alarm/action** level at **13ppm**.

Please reference the appropriate SOGs for additional guidance.

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