

Gas Detection Information

ANSI/ISEA 104-1998 (R2003) STANDARD

This standard sets forth the test methods, performance parameters, and reporting requirements for diffusion-type sampling devices used to determine the concentrations of gases and vapors in working environments. The standard provides guidance for end users in evaluating the appropriateness of samplers for various exposures. For additional information, please see www.ansi.org.

STEPS TO SELECTING A GAS DETECTION UNIT

1. Identify gases to be detected.
 - Ammonia: NH_3

- Carbon Dioxide: CO_2
- Carbon Monoxide: CO
- Chlorine: Cl_2
- Chlorine Dioxide: ClO_2
- Combustible: LEL
- Hydrogen Sulfide: H_2S
- Methane: CH_4
- Oxygen: O_2
- Pentane: C_2H_{12}
- Sulfur Dioxide: SO_2

2. Select monitor type.

- Portable Monitors: Used for personal protection when entering potentially hazardous environments.

- Multiple Gas Detectors offer the ability to detect multiple gases at 1 time.
- Confined Space Kits include Multi-Gas Monitor and Calibration Gas Accessories.

- Single Gas Detectors detect only 1 type of gas. Available in 2 styles: Disposable units using nonreplaceable sensors, and Nondisposable units which offer interchangeable sensors.

- Fixed Area Monitors are permanently mounted; typically used in enclosed areas such as garages, factories, and warehouses.

3. Choose accessories:

- Battery charger, replacement battery pack, and replacement sensor
- Air Sampling Pumps allow user to check for the presence of potentially hazardous atmospheres in a remote area or confined space before entering
- Calibration Gas and Regulator equipment allow user to frequently bump test and perform recommended monthly calibration and maintenance to keep monitors operating accurately.
- Datalink enables user to download and view alarm events on a personal computer