

ChemSee: Toxic Gas Exposure Monitoring

EYAL Stationary System Versatile, Digital Monitoring of Toxic Gas Exposure DD-04 & DD-04L



The EYAL Stationary Electronic Reader is a versatile monitoring system for exposure of personnel, vehicles and static locations to toxic gases and radiation.

The EYAL system allows for fast, quantitative determination of exposure levels of multiple employees or locations to toxic gases or radiation. The same reader can be used to monitor a wide range of toxic gases. Additionally, multiple, non-destructive readings can be taken on a single dosimeter to allow assessment of the exposure in specific operations or locations. The computer maintains a file with the exposure data for each person.

How It Works:

- Each employee attaches a dosimeter to their lapel or clothing.
- When it is desired to determine the exposure, the dosimeter is inserted into the Reader, which is connected to a computer.
- The computer calculates the exposure dose based on the color formed on the dosimeter.
- The software interprets and stores exposure data on each employee to meet safety and regulatory requirements.
- The same dosimeter can be read multiple times throughout the shift to analyze specific activities or location-based exposure.
- The system can also be used in fixed places to monitor the presence of toxic gases in specific locations.

FEATURES

- Simple, quantitative monitoring of exposure to toxic gases.
- The same dosimeter can be read multiple times, saving money.
- The same reader can be used to monitor exposure to many different toxic gases.
- Each reading takes 5 to 10 seconds.
- Employee exposure is recorded and maintained for future analysis and record-keeping.
- Software is simple to use, and requires little training to get started.

Available Dosimeters

- Ammonia, 0 - 200 ppm*hr (NH3-001)
- Aromatic Amines, 0 - 16 ppm*hr (ARA-002)
- Carbon Monoxide, 0 - 150 ppm*hr (CMO-005)
- Carbon Monoxide, 0 - 550 ppm*hr (CMO-006)
- Chlorine, 0 - 1.2 ppm*hr (CHL-006)
- Formaldehyde, 0 - 1 ppm*hr (FOR8-007)
- Formaldehyde, 0 - 8 ppm*hr (FOR5-015)
- Hydrazine, 0 - 1.2 ppm*hr (HYD-009)
- Hydrogen Sulfide, 0 - 2 ppm*hr (H2S-010)
- Hydrogen Sulfide, 0 - 8 ppm*hr (H2S-011)
- Nitrogen Dioxide, 0 - 8 ppm*hr (NO2-011)
- Sulfur Dioxide, 0 - 2 ppm*hr (DOS-014)
- Sulfur Dioxide, 0 - 8 ppm*hr (DOS-015)

Common Uses

- Monitoring Industrial Workers to ensure that exposure levels do not exceed regulatory limitations.
- Measuring exposure of HAZMAT crew to toxic gases during clean-up operations.
- Monitoring exposure of military personnel during field operations or when handling hazardous materials.
- Monitoring exposure of maintenance crews during scheduled and unscheduled maintenance operations. These crews are often exposed to large doses of toxic gas when closing leaks or working in hazardous areas.

Related Products

- **WDD-04:** Wireless, Continuous Monitoring System for Toxic Gases
- **WDD-04L:** Wireless, Continuous Monitoring System for Toxic Gases with LCD Display

SPECIFICATIONS

Dimensions: 6 1/2 x 4 x 2 in (LxWxH)

Weight : 300 grams (320 grams w/ LCD)

Analysis Method: **Quantitative** Digital Reading of Colorimetric Dosimeter

Reading Time: 5 to 10 Seconds

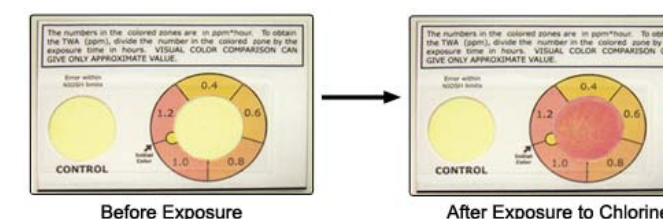
Model DD-04



Model DD-04L



Example Card - CHL-006 Chlorine Dosimeter



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