

# Buyers Guide for EYAL system(s)

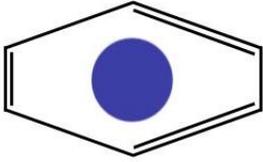
By: Jason A. Morton  
Appealing Products, Inc.

[jamorton@appealingproducts.com](mailto:jamorton@appealingproducts.com)

Phone: +001 919-515-0741

Fax: 919-515-0743

07/05/2011



## **Appealing Products, Inc.**

**Address:** 840 Main Campus Dr. #3530 Raleigh, NC 27606, USA  
**Phone:** +1.919.515.0741  
**Fax:** +1.919.515.0743  
customersupport@appealingproducts.com

### **Buyers Guide for the EYAL Systems**

#### **A. Monitoring Exposure to Toxic Gases Using the EYAL Systems.**

The EYAL systems are new electronic detectors/dosimeters systems for measuring the exposure of personnel and workers to toxic gases and radiation.

There are two classes of the EYAL system: the **STATIONARY** system and the **WIRELESS** system. The STATIONARY EYAL system is most suitable for use when it is needed to monitor routine exposure in factory, hospital or environmental exposure over many hours up to an eight hour shift to a relatively small gas concentration. The WIRELESS EYAL system can be used to do EVERYTHING THAT THE STATIONARY SYSTEM DOES, IN ADDITION to monitoring exposure where it is needed to follow closely, practically minute by minute the exposure to large or small gas concentrations. This happens often in EMERGENCY situations, in military and terrorist action context or when SPECIAL PROJECTS or MAINTENANCE WORK is being done.

We shall begin sending electronic detectors to our distributors in 3-4 weeks. In about one to two months, the EYAL Systems will be available for commercial sales. Presently, we are planning the number of each system that will have to be manufactured during this production cycle. One of the objectives of this document is to estimate this number.

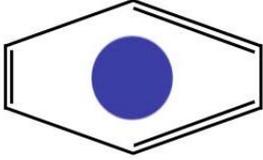
**Both** types of EYAL systems utilize ChemSee's Disposable Dosimeters which change their color when exposed to the toxic gas (<http://chemsee.com/exposure-monitoring/>).

When using the **Stationary** EYAL System, the user carries the dosimeter on his lapel, and inserts it into the **Stationary Reader** to obtain the current reading of the exposure dose on the computer connected to the reader. The computer and its software then convert the measured reading of the color change into an exposure dose level. The computer software analyzes the data, records the exposure dose of the toxic gas for that person, generates alarms when the exposure dose exceeds certain limits and advises the user when the dosimeter should be changed.

When using the **Wireless** EYAL System, the exposure is MONITORED CONTINUALLY. Each person who is monitored carries a small WIRELESS optical reader WITH A DOSIMETER CARD IN IT. The wireless system is utilized by allowing many people wear the Wireless Electronic Optical Units, and ChemSee's Dosimeters cards stays inserted at all times. The Wireless Reader observes the color change and communicates with the Central Receiving Unit. The reading from the central receiving unit is fed into a computer with special software. The software converts the reading into the corresponding values of the exposure dose level on the computer. The software also analyzes the data, records the concentration and exposure dose of the toxic and the instantaneous gas concentration near the dosimeter. The central command generates alarms when the exposure does exceeds certain limits and advises the user when the dosimeter should be changed. The WIRELESS EYAL system permits obtaining accurate, quantitative values of the exposure to toxic gas or radiation CONTINUALLY and in REAL TIME. This will greatly reduce the risk of accidental over exposure of personnel to toxic gases.

#### **B. What is Needed by ONE CLIENT to Monitor the Exposure Dose of MANY EMPLOYEES Using the Stationary Eyal System?**

1. **One Stationary Reader.** Model Number: **DD-04** or **DD-04L** This reader comes with:
  - a. USB Cable to attach it to a computer.
  - b. Software disk to upload on the computer.
  - c. Instructions manual.



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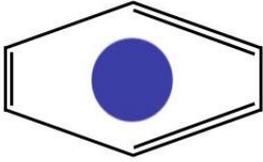
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2. **Dosimeter badges** for the gases you want to monitor.
    - a. **A new dosimeter card is needed for each employee EVERY DAY.**
    - b. **Table #1** (see next page) describes the gases for which dosimeters are available now. Dosimeters for other gases are developed daily.
- C. What is Needed by ONE CLIENT to CONTINUOUSLY Monitor the Exposure Dose of MANY EMPLOYEES Using the Wireless EYAL System?**
1. **One Wireless Central Receiving Unit.** Model Number: **WCRU-04** or **WCRU-04L** This reader comes with:
    - a. USB Cable to attach it to a computer.
    - b. Software disk to upload on the computer.
    - c. Instructions manual.
  2. **AS MANY WIRELESS Dosimeters readers WDD-04** or **WDD-04L** **as the number of employees to be monitored simultaneously.**
  3. Dosimeter batches for the gases you want to monitor.
    - a) **A new dosimeter card is needed for each employee EVERY DAY.**
    - b) **Table #1**(see next page) describes the gases for which dosimeters are available now. Dosimeters for other gases are developed daily.



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**Table #1: Currently Available Dosimeters and their Markets**

<b>Product #</b>	<b>Description of Toxic Gas Detected</b>	<b>Potential Markets</b>
ARA-002	Aromatic Amines	Dyes for clothing and dyeing, certain drugs manufacturers,
CHL-006	Chlorine	Water treatment facilities. Disinfection. Some food processing operations.
CMO-005	Carbon Monoxide (Low Levels)	Environmental studies. In door heating.
CMO-006	Carbon Monoxide (High Levels)	Combustion rooms and engine rooms. Indoors heating.
DOS-014	Sulfur Dioxide (Low Levels)	Environmental studies. Refineries. Fertilizers production.
DOS-015	Sulfur Dioxide (High Levels)	Refineries. Fertilizers production. Sulfuric acid production and certain uses.
FOR8-007	Formaldehyde	Pathology labs. Sterilization. Manufacturing of certain polymers, glues, shampoos. Making drapes, carpets and no-wrinkle clothing.
FORS-015	Formaldehyde (STEL)	Formaldehyde spills. Pathology labs.
H2S-010	Hydrogen Sulfide (Low Levels)	Environmental studies. Waste disposal in civil and agriculture.
H2S-011	Hydrogen Sulfide (High Levels)	Refineries and pyrolysis of coal. Waste disposal in civil and agriculture.
HYD-009	Hydrazine, Methyl Hydrazine	Dyes for clothing and dyeing, certain drugs manufacturers. Fueling of certain military aircraft.
NH3-001	Ammonia	Large scale refrigeration. Pharmaceuticals. Fertilizers production.
NO2-011	Nitrogen Dioxide	Environmental studies. Fertilizers production.