

**3M**

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# Air Monitoring Systems

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**3M™ Air Monitors are simple and effective devices that collect contaminants through the scientific principle of diffusion. They meet or exceed OSHA accuracy requirements of  $\pm 25\%$  at 95% confidence level for many work contaminants.**

## Features/Benefits

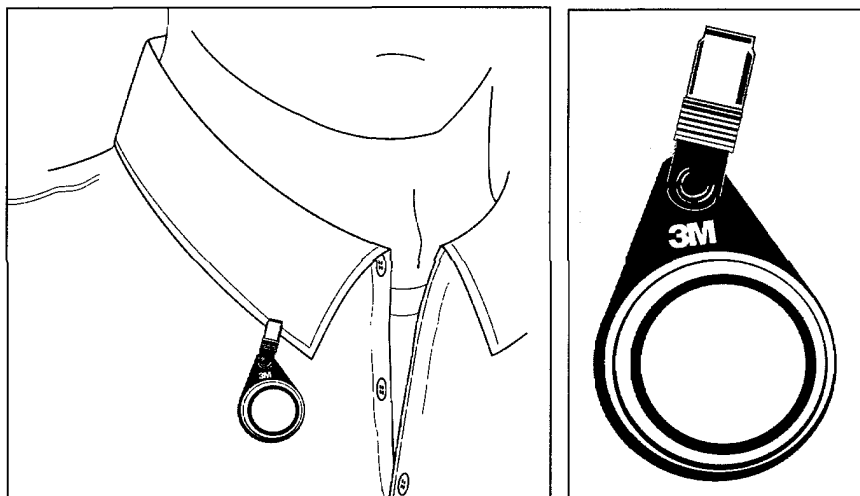
- **Simple and convenient.** There are no batteries, hoses, pumps or equipment to calibrate.
- **Easy to use.** Just clip the monitor to lapel, collar, or pocket.
- **Versatile.** 3M monitors can also be used for area monitoring if sufficient air flow exists.
- **Product support.** 3M provides reference information needed to use the monitors.
- **Analysis options.** All our monitors can be analyzed in your lab or returned for analysis.
- **Confidence.** Our manufacturing operation is ISO 9002 certified.
- **Comfort.** Our monitors are small and lightweight and will not interfere with employee activities.

## Organic Vapor Monitor 3500

Single charcoal sorbent wafer for easy collection of organic vapors. Analysis by gas chromatography. Sampling and analysis guide for over 125 vapors available.

**3500** - monitor only.

**3510** - includes analysis for up to 3 compounds per monitor, selected from a list of more than 80 vapors. 18-month shelf life.



**3M™ Organic Vapor Monitor 3500 — shown in use and close-up.**

## Organic Vapor Monitor 3520 with Back-up Section

Primary and back-up sorbent pads for sampling demanding environments. Especially suited for monitoring compounds like acrylonitrile, butadiene and methylene chloride for which activated carbon shows limited capacity.

**3520** - monitor only.

**3530** - includes analysis for up to 3 compounds per monitor. 18-month shelf life.

## Ethylene Oxide Monitor 3550

Designed for sampling personnel or work areas in the pharmaceutical, health care and chemical industries. Analysis procedure is available on request.

**3550** - includes analysis.

**3551** - monitor only. 18-month shelf life.

## Formaldehyde Monitor 3720

Monitors personnel or work areas in health care, laboratories, and in the chemical, pulp/paper, foundry and textile industries. Analysis procedure is available on request. Not acceptable for STEL monitoring.

**3720** - includes analysis.

**3721** - monitor only. 18-month shelf life.

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## 3510/3530 Compound List

† Acetone (2) (c)	Ethyl Benzene (8)
Acetonitrile (2) (c)	Ethylene Chlorohydrin (8)
Acrylonitrile (8)	Ethylene Dichloride (EDC) (8)
Allyl Alcohol (8)	Ethyl Ether (4) (c)
Amyl Acetate (8)	Furfural (8)
n-Amyl Alcohol	Halothane (8)
s-Amyl Alcohol	n-Heptane (8)
Benzene (8)	n-Hexane (8)
Benzyl Chloride (8)	iso-Amyl Acetate (8)
Bromoform (8)	iso-Butyl Alcohol (8)
1-Bromopropane (m)	Isoflurane (Forane)
n-Butyl Acetate (8)	Isopar G
s-Butyl Acetate (8)	Isophorone (8)
t-Butyl Acetate (8)	Isopropyl Acetate (7)
Butyl Acrylate (8)	Isopropyl Alcohol (m) (c)
n-Butyl Alcohol (8)	Mesitylene (8)
s-Butyl Alcohol (8)	Mesityl Oxide (8)
t-Butyl Alcohol (8)	Methoxy Perfluorobutane (HFE-7100)
Butyl Cellosolve Acetate	Methyl Acrylate (8)
Butyl Cellosolve (8)	Methyl t-Butyl Ether (MTBE) (8)
Butyl Glycidyl Ether (8)	Methyl Butyl Ketone (MBK) (8)
p-tert Butyl Toluene (8)	Methyl Cellosolve (8)
Camphor (8)	Methyl Cellosolve Acetate (8)
Carbon Tetrachloride (8)	† Methylene Chloride (m) (3530 only)
Cellosolve (8)	Methyl Ethyl Ketone (MEK) (8)
Cellosolve Acetate (8)	Methyl Isobutyl Ketone (MIBK) (8)
Chlorobenzene (8)	Methyl Methacrylate (8)
Chloroform (8)	Methyl Propyl Ketone (8)
o-Chlorostyrene (8)	Naptha (VM&P) (8)
o-Chlorotoluene (8)	n-Octane (8)
Cumene (8)	Perchloroethylene (8)
Cyclohexane (6)	Phenyl Ether (8)
Cyclohexanol (8)	n-Propyl Acetate (8)
Cyclohexanone (8)	n-Propyl Alcohol (6)
Cyclohexene (8)	Propylene Dichloride (8)
n-Decane	Propylene Glycol Mono Methyl Ether (8)
Diacetone Alcohol (8)	Propylene Glycol Mono Methyl Ether Acetate
o-Dichlorobenzene (8)	Stoddard Solvent (8)
p-Dichlorobenzene (8)	Styrene (8)
trans-1,2-Dichloroethylene (6)	1,1,2,2-Tetrachloroethane (8)
Diisobutyl Ketone (DIBK) (8)	Tetrahydrofuran (8)
p-Dioxane (8)	Toluene (8)
Dipropylene Glycol Methyl Ether Acetate	1,1,1-Trichloroethane (Methyl Chloroform) (m)
Enflurane (8)	Trichloroethylene (8)
Epichlorohydrin (8)	† 1,1,2-Trichloro-1,2,2-trifluoroethane (1) (c)
Ethoxy Perfluorobutane (HFE-7200)	Vinyl Acetate (8)
Ethyl Acetate (6)	Vinyl Toluene (8)
Ethyl Acrylate (8)	Xylene (8)
	Total Hydrocarbons as n-Hexane

The number in parenthesis is the recommended sampling period in hours. This time has been estimated using the capacity of the 3510 organic vapor monitor, a relative humidity of <50% and the 1998 ACGIH TLVs. Use of the 3530 allows the sampling time to increase. (c) Because of their high vapor pressures (low boiling points), the (c) compounds are best sampled initially with the 3520 or 3530 monitor (with back-up section). Subsequent sampling may be done with the 3500/3510 monitor if determined, by 3520 results, that contaminant concentrations are within the 3500/3510 capacity limits.

†NOTE: certain compounds (e.g. acetone, methyl ethyl ketone, vinyl acetate, etc.) may show a decreased recovery when sampled in high relative humidity. Refrigerate and/or expedite for analysis to help ensure accurate results. (m) See technical bulletin.

**For more information:****In the U.S., contact:****Technical Assistance**

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1-651-732-6530

Please contact your local 3M distributor to place an order. To determine the location of the 3M distributor nearest you, call 1-800-328-1667. In Canada call 800-265-1840 extension 6137.

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