

# 3M™ Organic Vapour Monitor 3500 & 3520



3M™ Organic Vapour Monitors are simple and effective devices that collect certain organic vapour type airborne contaminants using the scientific principle of diffusion.

Diffusion is a natural process by which it is known that gases and vapours will flow from a higher concentration (in the workplace air) to a lower concentration (in the base of the monitor). A sorbent pad in the base collects and holds the organic gases and vapours until desorbed for analysis in a laboratory. 3M Monitors have been extensively validated both at 3M and through independent third party sources.

The airborne concentrations measured can be used as part of a Risk Management process to institute suitable controls, including assisting in determination of the type and service life of respiratory equipment appropriate to the contaminants (according to AS/NZS1715). The basic considerations required for sampling with passive type diffusion monitors are covered in AS 2986.2:2003.

3M produces two diffusion monitors for determination of airborne concentration of organic vapours. These are the 3M Organic Vapour monitors 3500 and the 3520. These monitors come in a sealed pull top can, with a shelf life of ~18 months – the expiry date is marked on a label on the base of the can.



## Features

- Simple and convenient. There are no batteries, pumps or equipment to calibrate.
- Easy to use - just clip the monitor to shirt lapel, collar or pocket.
- Versatile- can be used for area or source monitoring if sufficient airflow exists.
- Comfortable - monitors are small, light-weight and will not interfere with work activities.
- Can simultaneously capture a wide range of airborne organic vapours, enabling laboratory identification of type and level of worker exposures.

## How to contact us

3M Australia Pty Ltd  
Phone 136 136

3M Australia Pty Ltd Customer Service  
Phone 1300 363 565  
Fax 1800 656 222

3M Tech Assist Hotline  
Phone 1800 024 464

World Wide Web  
[www.3m.com/au/ohs](http://www.3m.com/au/ohs)

## Ordering Information

Packaging	Product Code	3M Order code
Organic Vapour Monitor 3500, 10 per case	3500	0232884
Organic Vapour Monitor with Back-up Section 3520, 5 per case	3520	70070061992



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Helping to protect your way of life.

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## Specifications

- Weight: ~9 gm 3500 monitor.  
~15 gm 3520 monitor

## Application: 3500

- A single charcoal sorbent pad that will capture a wide range of organic vapours. See the 3M OVM Sampling & Analysis Guide for more information.

## Application: 3520

- A "double deck" charcoal sorbent pad gives a higher capacity for demanding applications. Used if is possible that the capacity of the 3500 may be exceeded due to high concentrations, for high humidity and for complex mixtures. See the 3M OVM Sampling & Analysis Guide for more information.

## Sampling Time

- At Exposure Standard exposure levels, the 3500 will normally be suitable for 8 hour sampling, although this may vary depending on conditions. See the OVM Sampling & Analysis Guide for more information.

## Use Limitations:

- Organic Vapour Monitors are able to capture a wide range of organic gases and vapours. However, they are not effective for all substances.
- These Monitors are NOT suitable for:
  - Isocyanates
  - Ammonia
  - Carbon Monoxide
  - Methane, ethane, propane
  - Methanol, Methyl Chloride
  - Methyl, di- & tri- methyl- amines
  - Sulphur dioxide
  - Reactive or polar compounds such as amines, phenols, aldehydes.
  - Particulates
  - Other non organic substances (See Sampling & Analysis Guide for more detail).



Please consult the **OVM Sampling & Analysis Guide** document for more detailed information. Contact the 3M Tech Assist Hotline 1800 024 464.

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