



Nitrogen Dioxide Gas

Area Monitor

(PN: 236)

Manual



1. Application

The Nitrogen Dioxide Area Monitor (PN: 236) is a colorimetric indicator for the detection of traces of nitrogen dioxide gas in air. Suitable locations positions are on stack, duct, vent or flue where representative samples can be obtained.

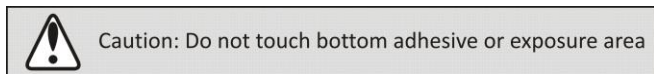
2. Specifications

- | | |
|------------------------------|---|
| a. Weight: | 0.4g (0.02oz) |
| b. Dimensions: | 2.0mm (0.11in), ϕ : 38.1mm (1.5in) |
| c. Operating temperature: | -20°C to 30°C (-4°F to 86°F) |
| d. Operating humidity: | 5% RH to 85%RH |
| e. Minimum detectable limit: | 0.5ppm-hr at 30 cm/sec face velocity |
| f. Color change: | Off white to yellowish-brown |
| g. Storage temperature: | 4°C to 20°C, (39°F to 68°F) |
| h. Shelf life: | 1 year at 4°C to 20°C, (39°F to 68°F) |
| i. Service life: | 20 days |

Cross interferences and limitations: Other nitrogen oxides and strong oxidizers produce similar color. No other interferences are known.

3. Operating Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of side notches
- Remove area monitor from the packaging pouch (Figure 1).
- Peel off the protective liner to expose the bottom adhesive (Figure 2).
- Record start date and location on the back of the area monitor (Figure 3)



- Hold the area monitor from the edges and place it on a suitable location position on stack, duct, vent or flue where representative sample can be obtained.
- Press firmly to adhere the monitor on the location surface.
- Formation of yellowish-brown color indicates the presence of nitrogen dioxide.



Figure 1

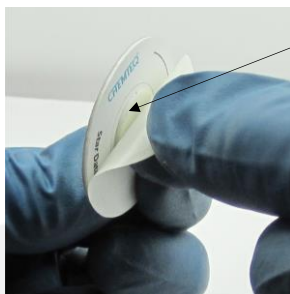


Figure 2

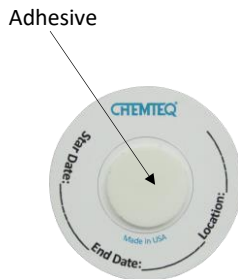


Figure 3

