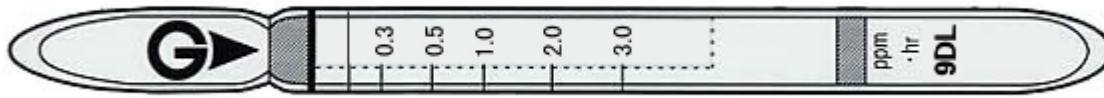


Nitrogen dioxide NO_2

NO. **9DL**



Performance

| | |
|---|--|
| Measuring Range | 0.01 to 3.0 ppm |
| Sampling Hours | 1 to 24 hours |
| Detecting Limit | 0.01 ppm |
| Color Change | White \longrightarrow Green |
| Reaction Principle | $\text{ABTS} + \text{NO}_2 \longrightarrow \text{Green product}$ |
| Coefficient of Variation | 10% (for 0.01 to 3.0 ppm-hr) |
| Shelf Life | 1 Year |
| Corrections for temperature & humidity | Unnecessary |
| Store the tubes in the refrigerator to keep at 10°C (50°F) or below. | |

Possible coexisting substances and their interferences (NOTE)

| Substance | Concentration | Interference | Change color by itself |
|-----------------|------------------|--------------|------------------------------|
| Carbon monoxide | | No effect | No discoloration (10 ppm) |
| Chlorine | 0.07 ppm \geq | | No discoloration (0.07 ppm) |
| Ozone | 0.045 ppm \geq | | No discoloration (0.045 ppm) |
| Sulfur dioxide | 0.1 ppm \geq | | No discoloration (0.1 ppm) |
| Carbon dioxide | 600 ppm \geq | | No discoloration (600 ppm) |
| Formaldehyde | 0.1 ppm \geq | | No discoloration (0.1 ppm) |

Calibration gas generation Permeation tube method

| TLV-TWA | TLV-STEL | Explosive range |
|---------|----------|-----------------|
| 3ppm | 5ppm | - |