

# Nitrous Fumes 50/a

Order No. 81 01 921

## Application Range

Standard Measuring Range:	50 to 1,000 / 200 to 2,000 ppm
Number of Strokes n:	2 / 1
Time for Measurement:	80 s / 40 s
Standard Deviation:	± 10 to 15 %
Color Change:	white → yellowish green

## Ambient Operating Conditions

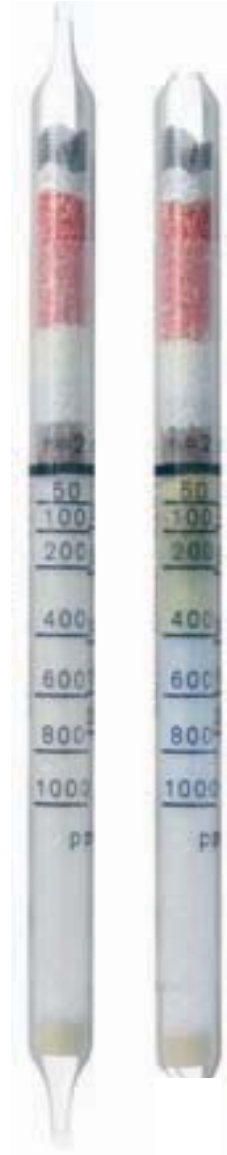
Temperature:	10 to 40 °C
Absolute Humidity:	max. 30 mg H <sub>2</sub> O / L

## Reaction Principle

- $\text{NO} + \text{Cr}^{\text{VI}} \rightarrow \text{NO}_2$
- $\text{NO}_2 + \text{aromatic amine} \rightarrow \text{yellowish green reaction product}$

## Cross Sensitivity

Chlorine and ozone are also indicated, but with different sensitivities.



ST-909-2001