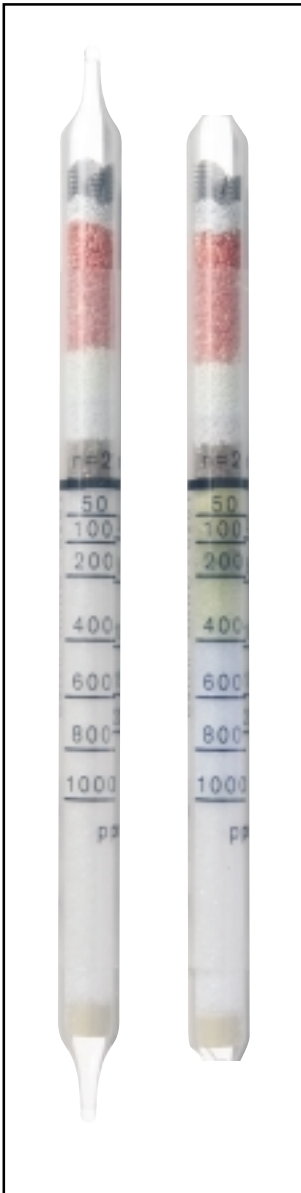


# Nitrous Fumes 50/a

Order No.  
81 01921



SI-909-2001

**Standard Measuring Range** : 50 to 1,000 ppm /  
200 to 2,000 ppm  
**Number of Strokes (n)** : 2 / 1  
**Time for Measurement** : 80 sec. /40 sec.  
**Standard Deviation** : ± 10 to 15 %  
**Colour 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

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

## Cross Sensitivity

There is no influence of chlorine and ozone, if these gases are in range of their TLVs. Higher concentrations are indicated with different sensitivity.