

Order No.  
CH 27701

## Nitrous Fumes 100/c

**Standard Measuring Range** : 100 to 1,000 ppm /  
500 to 5,000 ppm  
**Number of Strokes (n)** : 5 / 1 + 4  
desorption strokes in  
clean air.  
**Time for Measurement** : app. 1.5 min  
**Standard Deviation** :  $\pm 15$  to 20 %  
**Colour Change** : grey  $\rightarrow$  red brown

### Ambient Operating Conditions

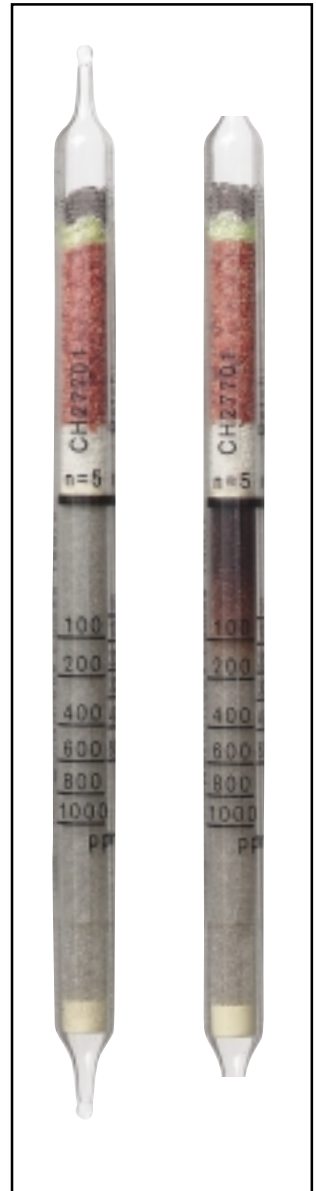
**Temperature** : 10 to 30 °C  
**Absolute Humidity** : max. 30 mg H<sub>2</sub>O / L

### Reaction Principle

- a)  $\text{NO} + \text{Cr}^{\text{VI}} \rightarrow \text{NO}_2$   
b)  $\text{NO}_2 + \text{o-Dianisidine} \rightarrow \text{red brown reaction product}$

### 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.



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