

# Nitrous Fumes 2/a

Catalog No CH31001

**Standard Measuring Range:** 5 to 100 ppm / 2 to 50 ppm  
**Number of Strokes (n):** 5 / 10  
**Time for Measurement:** about 1 minute / about 2 minutes  
**Standard Deviation** ± 10 to 15%  
**Color Change:** yellow to blue grey

## Ambient Operation Conditions

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

## Reaction Principle

- a)  $\text{NO} + \text{Cr}^{\text{VI}} \longrightarrow \text{NO}_2$   
b)  $\text{NO}_2 + \text{Diphenylbenzidine} \longrightarrow \text{blue grey reaction product}$

## Cross Sensitivity

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



# Dräger

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