

Nitrous Fumes 2/a

Order No. CH 31 001

Application Range

Standard Measuring Range:	5 to 100	/ 2 to 50 ppm
Number of Strokes n:	5	/ 10
Time for Measurement:	approx. 1 min / approx. 2 min	
Standard Deviation:	± 10 to 15 %	
Color Change:	yellow → blue grey	

Ambient Operating Conditions

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

Reaction Principle

- $\text{NO} + \text{Cr}^{\text{VI}} \rightarrow \text{NO}_2$
- $\text{NO}_2 + \text{o-diphenylbenzidine} \rightarrow \text{blue grey reaction product}$

Cross Sensitivity

Chlorine and ozone are indicated with different sensitivities.

