

Nitrous Fumes 20/a

Order No. 67 24 001

N

Application Range

Standard Measuring Range:	20 to 500 ppm
Number of Strokes n:	2
Time for Measurement:	approx. 30 s
Standard Deviation:	± 10 to 15 %
Color Change:	pale grey → red brown

Ambient Operating Conditions

Temperature:	15 to 40 °C
Absolute Humidity:	max. 40 mg H ₂ O / L

Reaction Principle

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

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 sensitivities.



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