

# Nitrous Fumes 50/b

Order No. 81 03 941

N

## Application Range

Standard Measuring Range:	50 to 1,000	/	2,000 to 4,000
Number of Strokes n:	4	/	2
Time for Measurement:	approx. 120 s	/	approx. 60 s
Standard Deviation:	$\pm 10$ to 25 %		
Color Change:	white $\rightarrow$ yellowish green		

## Ambient Operating Conditions

Temperature:	10 to 40 °C
Absolute Humidity:	3 to 30 mg H <sub>2</sub> O / L

## Reaction Principle

- a)  $\text{NO} + \text{O}_x \rightarrow \text{NO}_2$
- b)  $\text{NO}_2 + \text{aromatic amine} \rightarrow \text{yellowish green reaction product}$

## Cross Sensitivity

Chlorine and ozone are also indicated, but with different sensitivities.

