

Nitrous Fumes 50/b

Order No. 81 03 941

Application Range

Standard Measuring Range: 50 to 1,000 ppm / 2000 to 4,000 ppm

Number of Strokes n: 4 / 2

Time for Measurement: approx. 120 s / approx. 60 s

Standard Deviation: ± 10 to 25 %

Color Change: white \rightarrow yellowish green

Ambient Operating Conditions

Temperature: 10 to 40 °C

Absolute Humidity: 3 to 30 mg H₂O / 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.

