

# Nitrogen Dioxide 10/a-D

Order No. 81 01 111

## Application Range

Standard Range	Measurement Time
10 to 200 ppm	1 h
5 to 100 ppm	2 h
2.5 to 50 ppm	4 h
1.3 to 25 ppm	8 h

Standard Deviation ± 20 to 25 %

Color Change white → yellow orange

## Ambient Operating Conditions

Temperature 0 to 40 °C

Absolute Humidity 5 to 15 mg H<sub>2</sub>O / L

## Reaction Principle

 $\text{NO}_2 + o\text{-Tolidine} \rightarrow \text{yellow orange reaction product}$ 

## Cross Sensitivity

Chlorine and ozone are also indicated with approximately half the indicating sensitivity (e.g. 20 ppm x h chlorine gives an indication of 10 ppm x h).

No influence by 5 ppm sulfur dioxide and 100 ppm ammonia.

