

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 ₂ O / L

Reaction Principle

NO₂ + o-Tolidine → 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.



N