

Nitrogen Dioxide 0.1/a

Order No. 81 03 631

Application Range

Standard Measuring Range:	5 to 30 ppm / 0.1 to 5 ppm
	The first scale line on the tube's scale equals 0.1 ppm.
Number of Strokes n:	1 / 5
Time for Measurement:	approx. 15 s / approx. 75 s
Standard Deviation:	± 10 to 15 %
Color Change:	grey-green → blue-grey

Ambient Operating Conditions

Temperature:	0 to 40 °C
Absolute Humidity:	< 40 mg H ₂ O / L

Reaction Principle

$\text{NO}_2 + \text{diphenylbenzidine} \rightarrow \text{blue-grey reaction product}$

Cross Sensitivity

Chlorine and ozone are also indicated, but with different sensitivities. Nitrogen monoxide is not indicated. NO_2 concentrations above 400 ppm result in the display bleaching out.

