

Nitrogen Dioxide 0.5 - 25 ppm

Order Code
64 06 120

Measuring Range : 0.5 to 25 ppm (20 °C, 50 % r.h.)

Measuring Time : approx. 20 s at 25 ppm
approx. 70 s at 3 ppm
approx. 330 s at 0.5 ppm
approx. 200 s at 0 ppm

Ambient Operating Conditions

Temperature : 0 ... 40 °C

Correction of Temperature : 0 to 19 °C → + 1 %/ °C
21 to 40 °C → - 0.5 %/ °C
% of measured value over the measurement range.

Humidity : 1 to 30 mg/L (corresp. 3 to 98 % r.h. at 30 °C)

Correction of Humidity : not necessary

Air Pressure : 700 to 1100 hPa

Correction of Air Pressure : not necessary

Accuracy : ± 10 % of the measured value over the measurement range, e.g.
± 0.05 ppm at 0.5 ppm
± 2.5 ppm at 25 ppm

Reproducibility : ± 8 % (Standard Deviation)

Cross Sensitivity

No influence at 3 ppm NO₂ by

≤ 0.1 ppm ozone

≤ 50 ppm sulfur dioxide

Chlorine is indicated with differing sensitivity. Nitrogen monoxide is not indicated.

Measurement with Remote System

Please observe the Instructions for Use of the Remote System.

Flushing Time

For a measurement of 1 ppm nitrogen dioxide in laboratory conditions, a flushing time of 1 minute was determined.