

Nitrous Fumes 10 - 200 ppm

Order Code
64 06 240

Measuring Range : 10 to 200 ppm (20 °C, 50 % r.h.)

Measuring Time : approx. 20 s at 200 ppm
approx. 70 s at 30 ppm
approx. 100 s at 10 ppm
approx. 120 s at 0 ppm

Ambient Operating Conditions

Temperature : 0 ... 40 °C

Correction of Temperature

: 0 to 19 °C → not necessary
21 to 40 °C → + 1.5 % / °C
% of measured value at
- concentration > 50 ppm,
- concentration < 50 ppm and humidity < 50 % r.h.

Humidity : 1 to 30 mg/L (corresp. 2 to 80 % r.h. at 40 °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.
± 1 ppm at 10 ppm
± 20 ppm at 200 ppm

Reproducibility : ± 14 % (Standard Deviation)

Cross Sensitivity

No influence at 20 ppm NO_x by

≤ 0.2 ppm ozone

≤ 50 ppm sulfur dioxide

Chlorine is indicated with differing sensitivity.

Measurement with Remote System

Please observe the Instructions for Use of the Remote System.

Flushing Time

For a measurement of 10 ppm NO_x in laboratory conditions, a flushing time of 2 minutes was determined.