

Nitrogen Dioxide 0.25 – 25 ppm

Order no. 8610120

Measuring range:	0.25 to 25 ppm
Typical measuring time:	10 to 210 s
Accuracy:	± 20 % (under calibration conditions)
Permissible ambient conditions	
Temperature:	10 to 40 °C
Temperature correction:	none
Humidity:	1 to 30 mg/L
Humidity correction:	none

Cross-sensitivities

The detection of 1 ppm nitrogen dioxide is not affected by

0.1 ppm ozone

50 ppm sulfur dioxide

0.5 ppm chlorine

A mixture of 50 ppm sulfur dioxide and 1 ppm nitric oxide is not indicated. 1 ppm nitric oxide is not indicated.

Hose and probe measurements

The following purging time recommendations for remote measurements have been determined with a brand-new, dry, and clean hose and probes. Nitrogen dioxide is absorbed by the hose and probe material for some lengths and materials in this small concentration range.

Hose / probe	Length in m	Purging time in min
FKM hose	5 – 20	10
FKM hose	45	20
PTFE-lined PVC hose	3 – 15	3
Bar probe 90 (8316532)		2
Telescopic probe ES 150 (8316533)		not possible
Probe set GP600 (8328667)		10