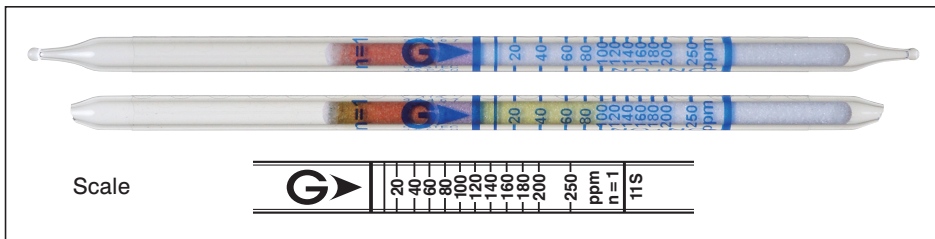


# Nitrogen Oxides

NO + NO<sub>2</sub>

(total quantification)

No. 11S

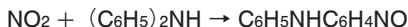
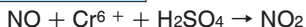


**Performance** The minimum scale value (10ppm) is not printed on the tube, but only the scale line is printed.

Measuring range	5 to 10 ppm	(10) to 250 ppm	250 to 625 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)	1/2 (50 mL)
Correction factor	1/2	1	2.5
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 2 ppm (2 pump strokes)  
 Colour change : White → Pale green  
 Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used  
 Relative humidity 20 to 90 % correction not used  
 Relative standard deviation : 10 % (for 10 to 80 ppm) , 5 % (for 80 to 250 ppm)  
 Tube quantity and number of tests per box : 10 tubes for 10 tests  
 Shelf life : 24 months

## Reaction principle



## Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Hydrogen chloride	≥ 50 ppm	Unclear demarcation	Bluish purple (≥ 10 ppm)
Hydrogen sulphide	≥ 1/1	+	No
Ozone	≥ 80 ppm	Unclear demarcation (Two layers)	Pale brown
Sulphur dioxide	≥ 1/1	+	No
Methanol	≥ 400 ppm	-	No

Nitric oxide is oxidized to form nitrogen dioxide. If organic solvent of high concentration is coexisting, oxidising agent is deteriorated to produce minus error for Nitric oxide concentration.

## Calibration gas generation

Permeation tube method