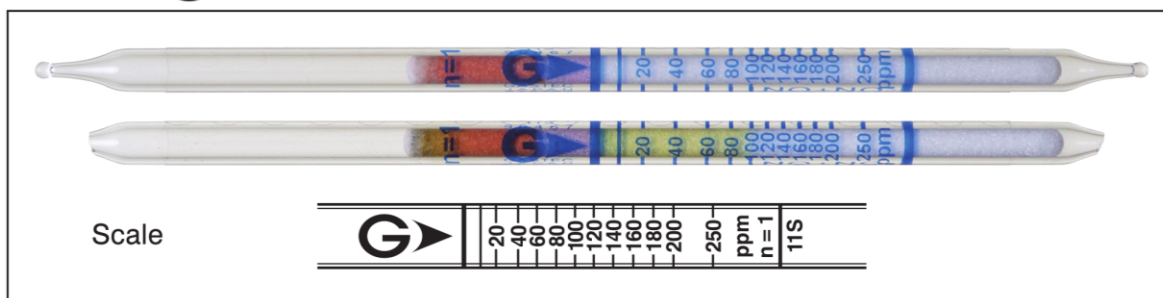




Nitrogen Oxides NO & NO₂

Part No.: 11S

Nitrogen Oxides ^{NO + NO₂} (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

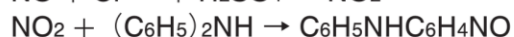
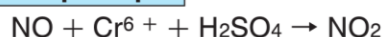
Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used
Relative humidity 20 to 90 % correction not used

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	$\geq 1/1$	+	No
Ozone	≥ 80 ppm	Unclear demarcation (Two layers)	Pale brown
Sulphur dioxide	$\geq 1/1$	+	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