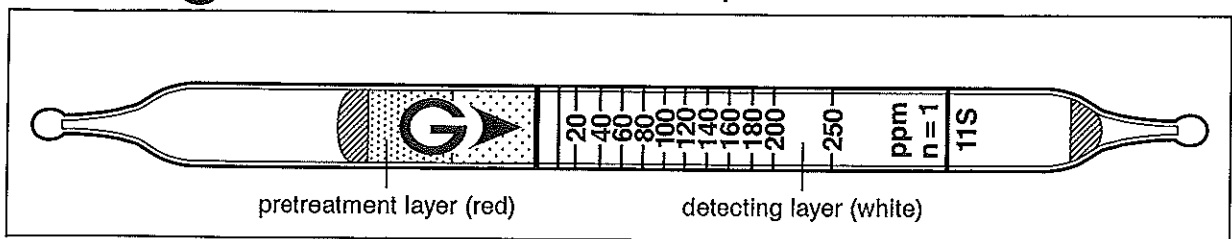


# Nitrogen Oxides

NO + NO<sub>2</sub>  
(total quantification)

No.11S



## Performance

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)

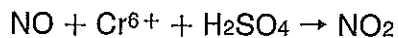
Colour change : White → Pale green

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 10 to 40 ppm), 5 % (for 40 to 250 ppm)

Shelf life : 2 years

## Reaction principle



## Possible coexisting substances and their interferences (NOTE : Page 2-5)

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

## Calibration gas generation

Permeation tube method

(NO) TLV-TWA : 25 ppm

(NO<sub>2</sub>) TLV-TWA : 3 ppm

TLV-STEL : 5 ppm

\* TLV-TWA : 0.2 ppm