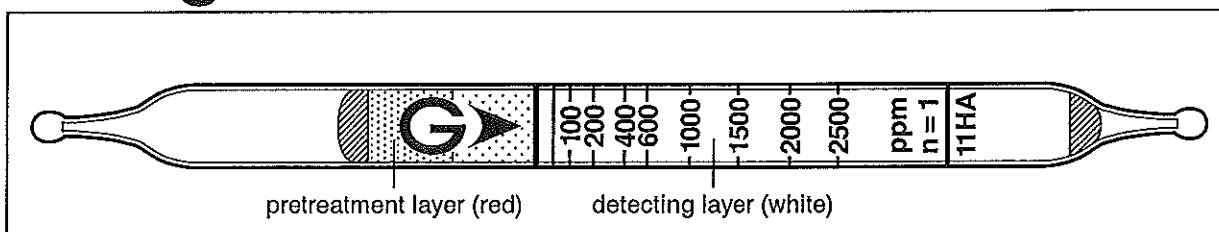


# Nitrogen Oxides $\text{NO} + \text{NO}_2$ (total quantification) No.11HA



## Performance

Measuring range	(50) to 2500 ppm
Number of pump strokes	1 (100 ml)
Correction factor	1
Sampling time	1 min

Detecting limit : 10 ppm (1 pump stroke)

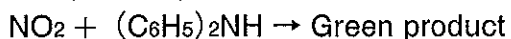
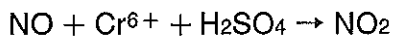
Colour change : White → Green

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 50 to 400 ppm), 5 % (for 400 to 2500 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	$\geq 500$ ppm	Unclear demarcation	Bluish purple at 100 ppm
Ozone	$\geq 200$ ppm	Unclear demarcation Two layers	Brown
Sulphur dioxide		No	No
Hydrogen sulphide		No	No

## Calibration gas generation

$\text{NO}$  : High pressure gas cylinder method

$\text{NO}_2$  : Permeation tube method