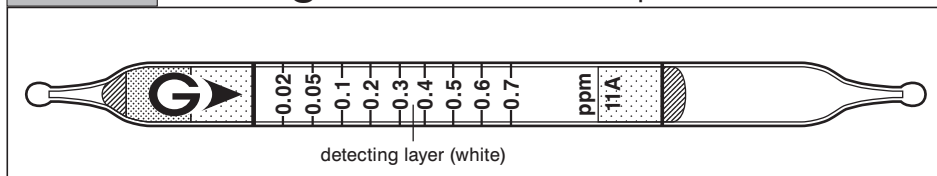


Nitrogen Oxides $\text{NO} + \text{NO}_2$ (total quantification) No.11A



Performance

Measuring range	0.02 to 0.7 ppm	0.06 to 2 ppm
Sampling rate	100 ml/min (500 ml)	100 ml/min (200 ml)
Sampling pressure	1.5 kgf/cm ² (147 kPa)	1.5 kgf/cm ² (147 kPa)
Correction factor	1	2.9
Sampling time	5 min	2 min

Detecting limit : 0.01 ppm
 Colour change : White → Bluish green
 Corrections for temperature : Unnecessary for 0 to 40°C
 Corrections for humidity : Unnecessary for R.H. 0 to 90 %
 Relative standard deviation : 10 % (for 0.02 to 0.2 ppm), 5 % (for 0.2 to 0.7 ppm)
 Shelf life : 3 years

Reaction principle

$\text{ABTS} + \text{NO}_2 \rightarrow \text{Bluish green product}$

Possible coexisting substances and their interferences

Substance	Interference	Changes colour by itself to
Chlorine	+	Bluish green

Calibration gas generation

Permeation tube method