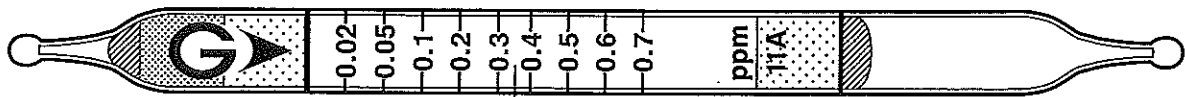


Airtec

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



detecting layer (white)

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

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

Calibration gas generation

Permeation tube method

(NO) TWA-TLV : 25 ppm TLV-STEL : 5 ppm
(NO₂) TWA-TLV : 3 ppm