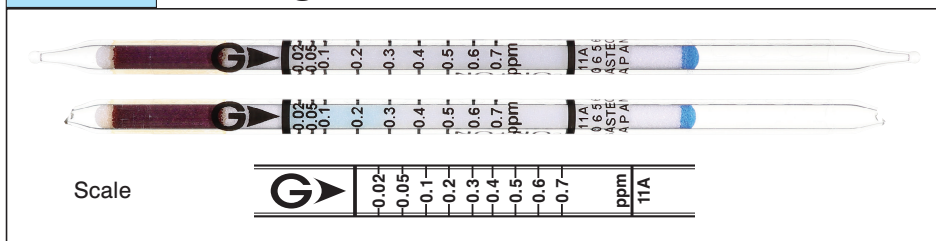


Airtec

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
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used
Relative standard deviation :	10 % (for 0.02 to 0.2 ppm), 5 % (for 0.2 to 0.7 ppm)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

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