

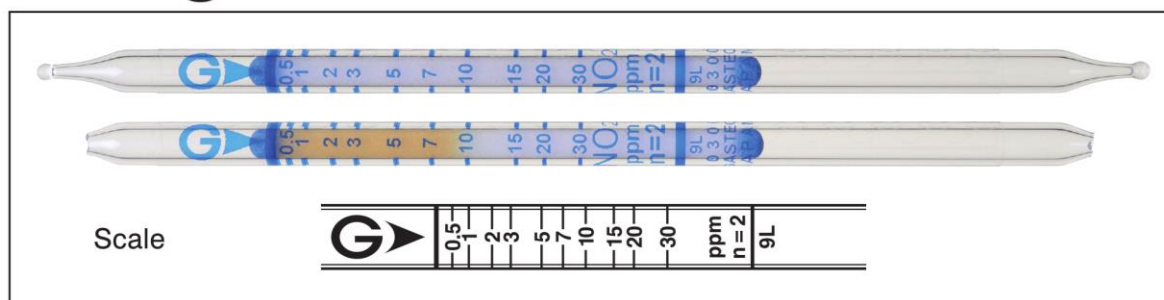


## Nitrogen Dioxide NO<sub>2</sub>

Part No.: 9L

# Nitrogen Dioxide NO<sub>2</sub>

No.9L



### Performance

Measuring range	0.5 to 30 ppm	30 to 125 ppm
Number of pump strokes	2 (200 mL)	1 (100 mL)
Correction factor	1	by scale
Sampling time	1 min	30 sec
Detecting limit :	0.1 ppm (2 pump strokes)	
Colour change :	White → Yellowish orange	
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 0.5 to 10 ppm), 5 % (for 10 to 30 ppm)	
Tube quantity and number of tests per box :	10 tubes for 10 tests	
Shelf life :	36 months	

### Reaction principle



### Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine, Chlorine	$\geq 1/5$	+	Yellowish orange
Nitric oxide	$\geq 50$ ppm	Unclear demarcation	Pale red
Ammonia		No	} No
Carbon dioxide		No	
Carbon monoxide		No	
Organic gases and vapour		No	
Sulphur dioxide	$\geq 10$ ppm	– (Bleaching)	

### Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Iodine	Factor : 0.4	2	0.2 to 12 ppm

### Calibration gas generation

Permeation tube method