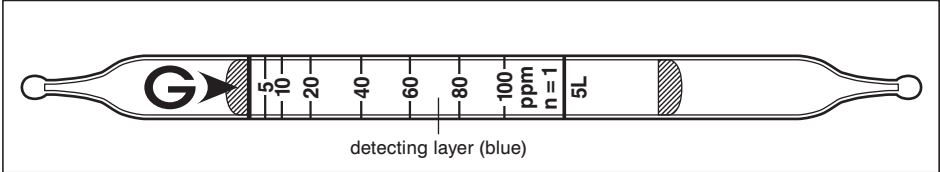


Sulphur Dioxide SO₂

No.5L

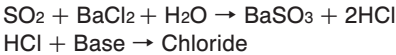


Performance

Measuring range	1.25 to 2.5 ppm	2.5 to 5 ppm	5 to 100 ppm	100 to 200 ppm
Number of pump strokes	4 (400 ml)	2 (200 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/4	1/2	1	2
Sampling time	3 min	1.5 min	45 sec	30 sec

Detecting limit : 0.25 ppm (4 pump strokes)
Colour change : Blue → Yellow
Corrections for temperature & humidity : Unnecessary
Relative standard deviation : 10 % (for 5 to 20 ppm), 5 % (for 20 to 100 ppm)
Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Nitrogen dioxide	$\geq 1/1$	+	Pale purple
Carbon dioxide		No	}
Carbon monoxide		No	
Hydrogen sulphide		No	
Nitric oxide		No	

Calibration gas generation

Permeation tube method