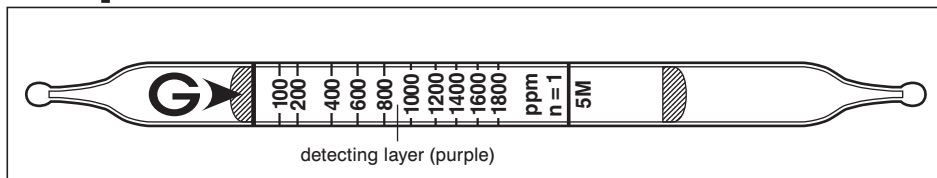


Sulphur Dioxide SO₂

No.5M



Performance

Measuring range	20 to 100 ppm	100 to 1800 ppm	1800 to 3600 ppm
Number of pump strokes	4 (400 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/5	1	2
Sampling time	3 min	45 sec	30 sec

Detecting limit : 4 ppm (4 pump strokes)

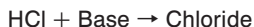
Colour change : Purple → Yellow

Corrections for temperature & humidity : Temperature correction is necessary.

Relative standard deviation : 10 % (for 100 to 600 ppm), 5 % (for 600 to 1800 ppm)

Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Nitrogen dioxide	≥ 1/10	+	White (≥ 600 ppm)
Hydrogen sulphide	≥ 10 times	-	
Carbon dioxide		No	
Carbon monoxide		No	
Nitric oxide		No	

Calibration gas generation

High pressure gas cylinder method