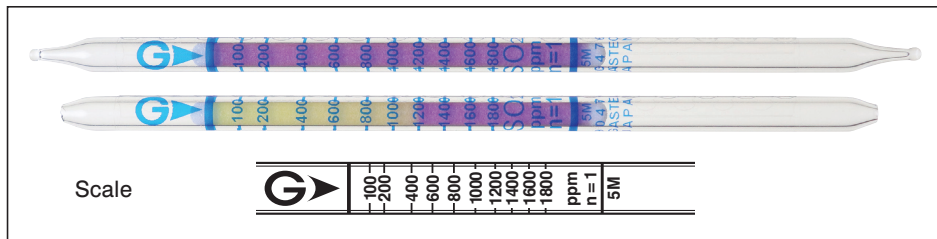


Sulphur Dioxide SO₂

No.5M

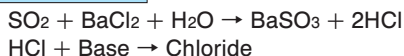


Performance

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
 Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction used
 Relative humidity 0 to 90 % correction not used
 Relative standard deviation : 10 % (for 100 to 600 ppm), 5 % (for 600 to 1800 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
Nitrogen dioxide	≧ 1/10	+	White (≧ 600 ppm)
Hydrogen sulphide	≧ 10 times	-	
Carbon dioxide		No	No
Carbon monoxide		No	
Nitric oxide		No	

Calibration gas generation

High pressure gas cylinder method