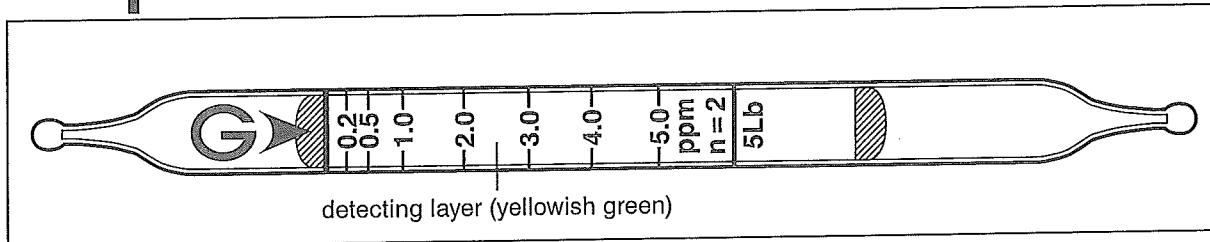


Sulphur Dioxide SO₂

No.5Lb

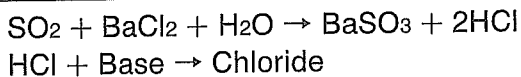


Performance

Measuring range	0.05 to 0.1 ppm	0.1 to 0.2 ppm	0.2 to 5 ppm	5 to 10 ppm
Number of pump strokes	8 (800 ml)	4 (400 ml)	2 (200 ml)	1 (100 ml)
Correction factor	1/4	1/2	1	2
Sampling time	8 min	4 min	2 min	1 min

Detecting limit : 0.01 ppm (8 pump strokes)
 Colour change : Yellowish green → Yellow
 Corrections for temperature & humidity : Unnecessary
 Relative standard deviation : 10 % (for 0.2 to 1 ppm), 5 % (for 1 to 5 ppm)
 Shelf life : 3 years

Reaction principle



Possible coexisting substances and their interferences (NOTE : Page 2-5)

Substance	Concentration	Interference	Changes colour by itself to
Nitrogen dioxide	≥ 1 ppm	Unclear demarcation	Yellow
Carbon monoxide		No	} No
Hydrogen sulphide		No	
Nitric oxide		No	
Carbon dioxide	100 %	+	Yellow

Calibration gas generation

Permeation tube method

Special note

If sulphur dioxide coexists with carbon dioxide, an unclear demarcation will result. In this case, use No. 5LC detector tube.

TLV-STEL : 0.25 ppm