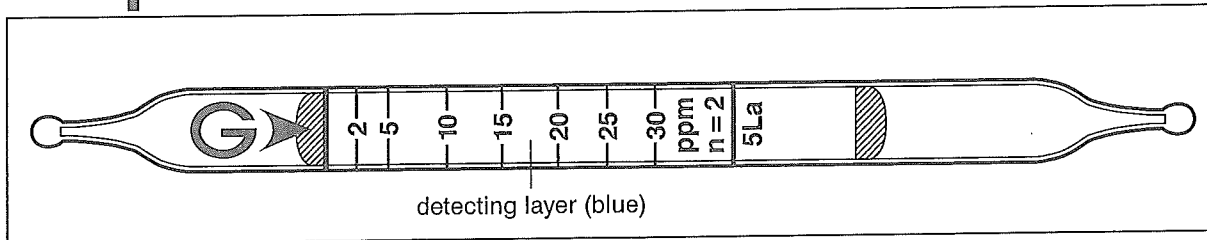


# Sulphur Dioxide SO<sub>2</sub>

No.5La

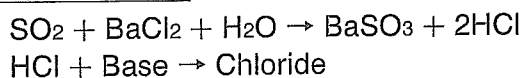


## Performance

Measuring range	0.5 to 1 ppm	1 to 2 ppm	2 to 30 ppm	30 to 60 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 : 0.1 ppm (8 pump strokes)  
 Colour change : Blue → Yellow  
 Corrections for temperature & humidity : Unnecessary  
 Relative standard deviation : 10 % (for 2 to 10 ppm), 5 % (for 10 to 30 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	≥ 1/1	+	Pale purple
Carbon monoxide		No	} No
Hydrogen sulphide		No	
Nitric oxide		No	
Carbon dioxide	100 %	Unclear demarcation	Unclear demarcation

## Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Thionyl chloride	Factor : 0.72	2	1.44 to 21.6 ppm

## 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