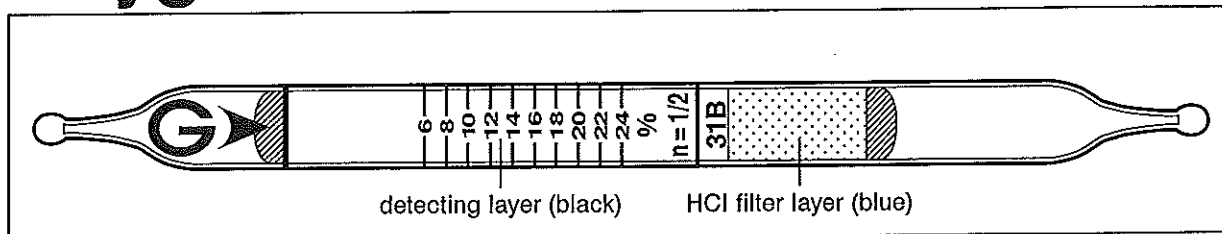


Oxygen O₂

No.31B



Performance

Measuring range	3 to 6 %	6 to 24 %
Number of pump strokes	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2	1
Sampling time	2 min	1 min

Detecting limit : 2 % (1 pump stroke)

Colour change : Black → White

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 5 % (for 6 to 24 %)

Shelf life : 3 years

Reaction principle



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

Substance	Concentration	Interference	Changes colour by itself to
Carbon dioxide	≥ 40%	+	} No
Carbon monoxide		} No	
Hydrogen sulphide			
Nitrogen dioxide			
Sulphur dioxide			

Hydrogen chloride is trapped in the HCl filter (beige) layer.

Calibration gas generation

Dynamic gas dilution method

Special note

If more than 40% carbon dioxide is coexisted, the tube reading will be 1% higher than the true concentration. (At 21% oxygen concentration tube 31B indicates 22%)