

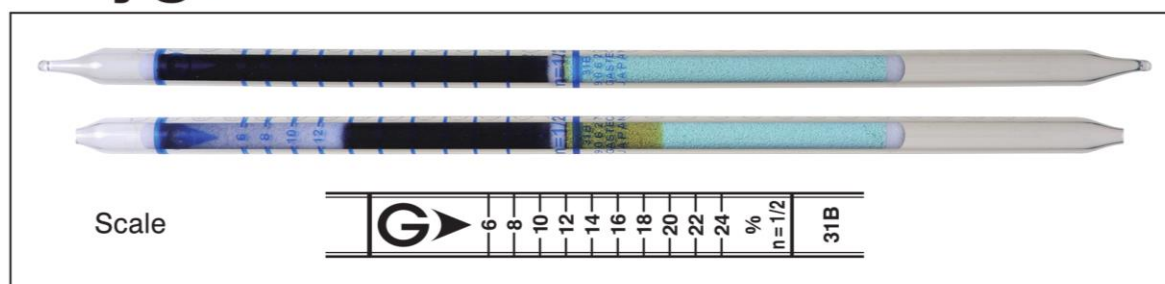


## Oxygen O<sub>2</sub>

Part No.:31B

# Oxygen O<sub>2</sub>

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	1 min	30 sec
Detecting limit :	2 % (1 pump stroke)	
Colour change :	Black → White	
Operating conditions :	Temperature 0 to 40 °C (32 to 104 °F) correction not used Relative humidity 0 to 90 % correction not used	
Relative standard deviation :	5 % (for 6 to 24 %)	
Tube quantity and number of tests per box :	5 tubes for 5 tests	
Shelf life :	36 months	

### Reaction principle



### Possible coexisting substances and their interferences

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

Hydrogen chloride is trapped in the HCl filter 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%)