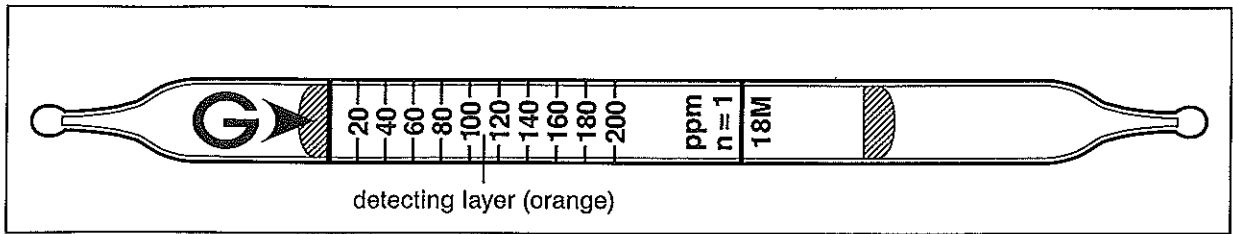


Ozone O₃

No.18M



Performance

Measuring range	4 to 20 ppm	20 to 200 ppm	200 to 400 ppm
Number of pump strokes	2 to 5 (200 to 500 ml)	1 (100 ml)	1/2 (50 ml)
Correction factor	1/2 to 1/5	1	2
Sampling time	1.5 to 3.75 min	45 sec	30 sec

Detecting limit : 1 ppm (5 pump strokes)

Colour change : Orange → Pale Yellow

Corrections for temperature & humidity : Unnecessary

Relative standard deviation : 10 % (for 20 to 60 ppm), 5 % (for 60 to 200 ppm)

Shelf life : 3 years

Reaction principle

O₃ + Indicator → Reaction Products

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

Substance	Concentration	Interference	Changes colour by itself to
Chlorine		+	} Pale yellow
Nitrogen dioxide		+	
Boron trichloride		} No	} Red
Arsine			
Hydrogen chloride			
Hydrogen fluoride			
Phosphine			

Calibration gas generation

Ozone generator