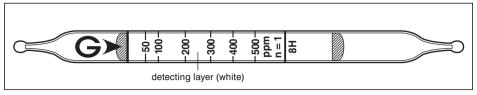
Chlorine Cla



Performance

Measuring range	25 to 50 ppm	50 to 500 ppm	500 to 1000 ppm
Number of pump strokes	2 (200 ml)	1(100 ml)	1/2(50 ml)
Correction factor	1/2	1	2
Sampling time	1.5 min	45 sec	30 sec

Detecting limit : 5 ppm (2 pump strokes)
Colour change : White → Vermillion
Corrections for temperature & humidity : Unnecessary

Relative standard deviation: 10 % (for 50 to 100 ppm), 5 % (for 100 to 500 ppm)

Shelf life: 3 years

Reaction principle

Cl₂ + o-Tolidine → Vermilion product

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Bromine		+)
Chlorine dioxide		+	Vermilion
lodine		+	J

Other substance measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Chlorine dioxide	Factor: 0.9	1	45 to 450 ppm

Calibration gas generation

Permeation tube method

Special note

Even if the white detecting layer turns to light gray, that does not affect the accuracy of the measurement.