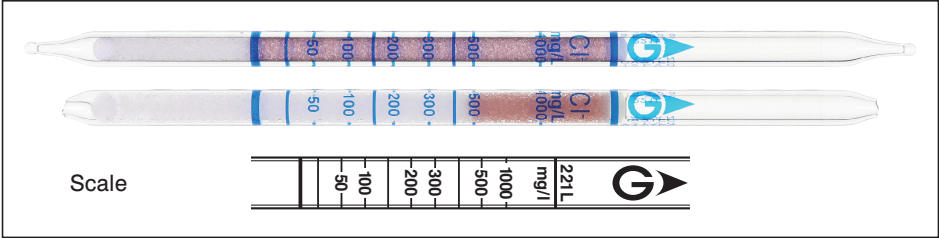


Chloride Ion Cl^-

No.221L



Performance The minimum scale value (25mg/L) is not printed on the tube, but only the scale line is printed.

Measuring range	(25) to 1000 mg/L
Sampling time	1.5 min
Detecting limit :	1 mg/L
Colour change :	Brown → White
Operating conditions :	Water temperature 0 to 50 °C (32 to 122 °F) correction not used
pH value :	pH 3.0 to pH 11.0
Relative standard deviation :	15 % (for 25 to 300 mg/L), 10 % (for 300 to 1000 mg/L)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	36 months

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Cyanide ion CN^-	$\geq 1 \text{ mg/L}$	+	White
Bromide ion Br^-	$\geq 10 \text{ mg/L}$	+	White
Thiocyanate ion SCN^-	$\geq 30 \text{ mg/L}$	+	White
Iron(II) Fe^{2+}	$\geq 200 \text{ mg/L}$	—	No ($\leq 1000 \text{ mg/L}$)
Iron(III) Fe^{3+}	$\geq 200 \text{ mg/L}$	—	White
Fluoride ion F^-	$\geq 500 \text{ mg/L}$	—	No ($\leq 1000 \text{ mg/L}$)
Iodide ion I^-	$\geq 50 \text{ mg/L}$	+	White
Sulphide ion S^{2-}	$\geq 5 \text{ mg/L}$	+	Blackish gray
Sulphate ion SO_4^{2-}	$\geq 2000 \text{ mg/L}$	—	White

Other substance measurable with this detector tube

Substance	Correction	Measuring range
Bromide ion Br^-	Factor : 2.2	55 to 2200 mg/L

Calibration method

Sodium chloride ion standard solution