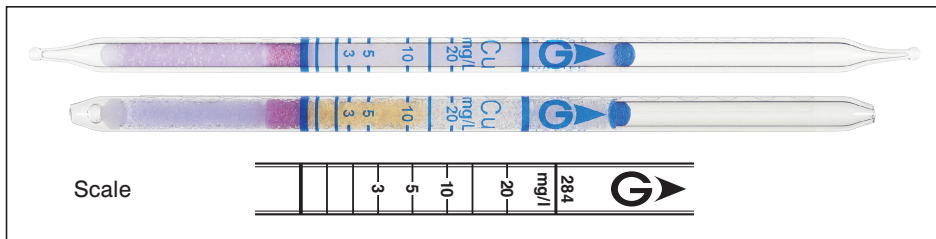


Copper $\text{Cu}^{++} + \text{Cu}^{2+}$

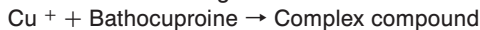
No.284



Performance The minimum scale value (1mg/L) is not printed on the tube, but only the scale line is printed.

Measuring range	(1) to 20 mg/L
Sampling time	5 min
Detecting limit :	0.5 mg/L
Colour change :	White → Orange
Operating conditions :	Water temperature 0 to 35 °C (32 to 95 °F) correction not used
pH value :	pH 4.0 to pH 6.0
Relative standard deviation :	15 % (for 1 to 5 mg/L), 10 % (for 5 to 20 mg/L)
Tube quantity and number of tests per box :	10 tubes for 10 tests
Shelf life :	24 months (in the refrigerator)

Reaction principle



Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Zinc Zn^{2+}	≥ 5 mg/L	+	No (≤ 100 mg/L)
Aluminum Al^{3+}	≥ 50 mg/L	+	No (≤ 100 mg/L)
Chromium (VI) Cr^{6+}	≥ 100 mg/L	No	Pale yellow (≥ 100 mg/L)
Cobalt Co^{2+}	≥ 100 mg/L	No	No (≤ 100 mg/L)
Cyanide ion CN^{-}	≥ 0.2 mg/L	-	No (≤ 100 mg/L)
Iron (III) Fe^{3+}	≥ 100 mg/L	No	No (≤ 100 mg/L)
Nickel Ni^{2+}	≥ 70 mg/L	+	No (≤ 100 mg/L)
Manganese Mn^{2+}	≥ 30 mg/L	+	No (≤ 100 mg/L)

Calibration method

Copper standard solution