



Chloride Meter

Chloride ions are one of the major inorganic anions in water and wastewater.

Although high concentrations of chloride in water are not known to be toxic to humans, its regulation is mainly due to adverse effects on taste.

It is essential to monitor chloride concentrations in boiler systems to prevent metal parts being damaged. In high levels, chloride can corrode stainless steel.

The level of chloride concentrations in boiler and cooling towers varies from small quantities to very high levels. Furthermore high levels of chloride can be toxic to plant life.

Drinking water: Chloride is a common non-toxic material present in small amounts in drinking water and produces a detectable salty taste at the aesthetic objective level of 250 mg/L (limit referred to the EPA Maximum Contaminant Level [MCL]). Measured levels are normally under 20 mg/L (ppm).



Specifications

| HI 93753 (Chloride) | |
|-----------------------|---|
| Range | 0.0 to 20.0 mg/L |
| Resolution | 0.1 mg/L |
| Accuracy (@20°C/68°F) | ±0.5 mg/L ± 6% of reading |
| Light Source | LED (Light Emitting Diode) 470 nm |
| Light Life | Life of the Instrument |
| Light Detector | Silicon Photocell |
| Battery Type / Life | 1 x 9V / approx. 40 hours of continuous use; auto-off after 10 minutes of inactivity |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% non-condensing |
| Dimensions / Weight | 180 x 83 x 46 mm (7.1 x 3.3 x 1.8") / 290 g (10 oz.) |
| Method | Adaptation of the Mercury (II) thiocyanate method. The intensity of color is proportional to the chloride ion concentration. |

Accessories

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| HI 93753-01 | Reagent kit for 100 tests (Cl ⁻) | HI 731318 | Tissue for wiping cuvet (4 pcs) |
| HI 93753-03 | Reagent kit for 300 tests (Cl ⁻) | HI 93703-50 | Cuvet cleaning solution (230 mL) |
| HI 710009 | Shockproof rubber boot, blue | HI 731321 | Measuring cuvet (4 pcs) |
| HI 710010 | Shockproof rubber boot, orange | HI 731325 | Cuvet cap (4 pcs) |

Ordering Information

HI 93753 is supplied complete with 2 cuvet, battery and instructions.

For a comprehensive list of accessories, see sections U and V