

**NEW**

# HI 93753

## Chloride Meter

Photometers

### Features ...

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).



### ... and Benefits

- **One Touch Operation**

Hanna's new **HI 93753** chloride meter offers you an easy way to measure chloride. This micro-processor driven meter will get clear results with a touch of a button.

- **Long Battery Life**

With a normal 9V battery you will be able to get more than 300 measurements. The auto shut-off feature (after 10 min. of non-use) guarantees a long battery life.

- **Easy Field Measurements**

The measurement procedure has been developed to get accurate readings both in laboratories and in the field. Easy-to-use chemicals and two button measurement simplifies operation.

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
Typical EMC Deviation	±0.1 mg/L
Light Source	Light Emitting Diode @ 470 nm
Light Life	Life of the instrument
Light Detector	Silicon Photocell
Battery Type / Life	1 x 9V / approximately 40 hours of continuous use. Auto-off after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH 95%
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)
Method	Adaptation of the mercury (II) thiocyanate method. the intensity of color is proportional to the chloride ion concentration.

### Ordering Information

HI 93753 is supplied with 2 cuvetts, caps, 9V battery and instruction manual.

### Accessories

#### Reagents for HI 93753:

HI 93753-01 Reagent kit for 100 tests.  
 HI 93753-03 Reagent kit for 300 tests.  
 HI 710009 Blue rubber boot  
 HI 710010 Orange rubber boot

HI 731318 Tissue for wiping cuvetts (4 pcs)  
 HI 93703-50 Cuvet cleaning solution (230 mL)  
 HI 731321 Spare measurement cuvetts (4 pcs)  
 HI 731325 Cuvet cap (4 pcs)

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