



Chlorine Dioxide Meter

Chlorine dioxide is used principally as a disinfectant in potable water and also in various industrial processes. In potable water applications, it is gaining popularity over chlorine, considering that it does not generate trihalomethanes when reacting with organic compounds. In industrial applications, it is used as a bleaching agent in such processes as pulp and paper.

HANNA instruments' HI 93738 is a portable microprocessor meter that determines the chlorine dioxide concentration in water. It is ideal for use in quick spot checks as it is easy to operate and provides great resolution and accuracy.

The Emitting Diode light source lasts the life of the instrument to ensure years of trouble free operation.

A rugged housing weighing under 300 grams (11 oz.), low battery warning, auto shut-off, and simple operation, make this an indispensable tool in the field.

The chemical procedure has been made as simple as possible to get good measurements even in the field. Thanks to a built-in timer and advanced microprocessor you can get accurate readings in less than three minutes. 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.

Ordering Information

HI 93738 is supplied complete with 2 cuvetts, battery and instructions.



Specifications

HI 93738 (Chlorine Dioxide)	
Range	0.00 to 2.00 mg/L
Resolution	0.01 mg/L
Accuracy (@20°C/68°F)	±0.01 mg/L ±5% of reading
Light Source	LED (Light Emitting Diode) 585 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 non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)
Method	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18 th ed.; Chlorophenol Red Method. The reaction between bromine and the reagent causes a purple to yellow tint in the sample.

Accessories

HI 710009	Shockproof rubber boot, blue	HI 731321	Measuring cuvet (4 pcs)
HI 710010	Shockproof rubber boot, orange	HI 731325	Cuvet cap (4 pcs)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93738-01	Reagent kit for 100 tests (ClO ₂)
HI 93703-50	Cuvet cleaning solution (230 mL)	HI 93738-03	Reagent kit for 300 tests(ClO ₂)

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