



Zinc Meter

Even though zinc is nontoxic to human beings, concentrations above 5 mg/L can cause a bitter, astringent taste.

This level of zinc can result in a milky, iridescent color in alkaline waters and irritate the human digestive system.

Zinc in low quantities, however, is a beneficial and essential element necessary for body growth. In fact, the US drinking water contains an average of 1.33 mg/L of zinc.

Zinc is normally introduced into drinking water through industrial effluents, especially due to dezincification of brass and deterioration of galvanized iron.

In addition to drinking water, zinc is measured in surface finishing, boilers and cooling towers, water conditioning, effluent waters and many other applications.

The **HANNA** instruments® solution to the measurement of this important parameter is a handy, portable meter that measures zinc from 0 to 3 mg/L in steps of 1/100th of mg/L.

The meter is microprocessor-based to guarantee maximum accuracy and all readings are shown in clear digits on a large LCD display.



Specifications

	HI 93731 (Zinc)
Range	0.00 to 3.00 mg/L
Resolution	0.01 mg/L
Accuracy (@20°C/68°F)	±0.03 mg/L ±3% 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. The reaction between zinc and the reagents causes a brownish-green to blue 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 93731-01	Reagent kit for 100 tests (Zn)
HI 93703-50	Cuvet cleaning solution (230 mL)	HI 93731-03	Reagent kit for 300 tests (Zn)

Ordering Information

HI 93731 is supplied with 2 cuvetts, battery and instructions.

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