



## Zinc

- Lab grade accuracy
- Rugged and portable for field measurement
- Long battery life

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.

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

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### Available Accessories:

- 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)
- HI 93731-01** Reagent kit for 100 tests
- HI 93731-03** Reagent kit for 300 tests

### Specifications:

<b>Range</b>	0.00 to 3.00 mg/L
<b>Resolution</b>	0.01 mg/L
<b>Accuracy (@20°C/68°F)</b>	±0.03 mg/L; ±3% of reading
<b>Typical EMC Deviation</b>	±0.01 mg/L
<b>Light Source</b>	Light Emitting Diode @ 585 nm
<b>Light Life</b>	Life of the Instrument
<b>Light Detector</b>	Silicon Photocell
<b>Battery Type / Life</b>	1 x 9V / Approx. 40 hours of continuous use
<b>Environment</b>	32 to 122°F (0 to 50°C); RH 95%
<b>Dimensions</b>	7.1 x 3.3 x 1.8" (180 x 83 x 46 mm)
<b>Weight</b>	10 oz. (290 grams)