

## HI96731

## Zinc Portable Photometer

- **CAL Check™**
  - Enables users to check validity of calibration
- **BEPS**
  - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
  - Meets Good Laboratory Practices

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 and effluent waters.

The HI96731 measures the zinc content in water and wastewater in the 0.00 to 3.00 mg/L (ppm) range.

The meter uses an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

The cuvette has a very important role because it is an optical element, and thus, requires particular attention. It is important that both the measurement and the blank (zeroing) cuvettes are optically identical to provide the same measurement conditions.



## Specifications

## HI96731 Zinc

Range	0.00 to 3.00 mg/L (ppm)
Resolution	0.01 mg/L
Accuracy @ 25°C (77°F)	±0.03 mg/L ±3% of reading
Light Source	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 575 nm
Power Supply	9V battery
Auto-off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	193 x 104 x 69 mm (7.6 x 4.1 x 2.7")
Weight	360 g (12.7 oz.)
Method	adaptation of the Standard Methods for the Examination of Water and Wastewater, 20th edition, Zincon method causes a brownish-green tint in the sample
Ordering Information	<p><b>HI96731</b> is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual.</p> <p><b>HI96731C</b> includes HI96731 photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, scissors, cuvette wiping cloth, instrument quality certificate, instruction manual and rigid carrying case.</p> <p>CAL Check™ standards and testing reagents sold separately</p>
Reagents and Standards	<p><b>HI96731-11</b> CAL Check™ standard cuvettes</p> <p><b>HI93731-01</b> reagents for 100 tests</p> <p><b>HI93731-03</b> reagents for 300 tests</p>

Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71