

HI96724

Free and Total Chlorine 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

The HI96724 measures the free and total chlorine content in water samples in the 0.00 to 5.00 mg/L (ppm) range. The method is an adaptation of the USEPA Method 330.5 for wastewater, and Standard Method 4500-CL G for drinking water, both of which use DPD to react with the sample.

The HI 96724 incorporates an advanced optical system based on a special tungsten lamp and a narrow band interference filter that allows the most accurate and repeatable readings. The instrument is factory calibrated, and the electronic and optical design minimizes the need for frequent calibration.

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 blank (zeroing) cuvettes are optically identical to provide the same measuring conditions.



Specifications

HI96724 Free and Total Chlorine

Range	0.00 to 5.00 mg/L (ppm)
Resolution	0.01 mg/L from 0.00 to 3.50 mg/L; 0.10 mg/L above 3.50 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 @ 525 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 USEPA method 330.5 and Standard Method 4500-Cl G
Ordering Information	<p>HI96724 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately</p> <p>HI96724C includes photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, scissors, cuvette cleaning cloth, instrument quality certificate, instruction manual and rigid carrying case. Reagents sold separately</p>
Reagents and Standards	<p>HI93701-F reagents for 300 tests (free Cl)</p> <p>HI93701-T reagents for 300 (free Cl) and 100 (total Cl) tests</p> <p>HI93711-D3 DPD3 reagent for 200 tests</p> <p>HI96724-11 CAL Check™ Standard Cuvettes</p>

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