



# Free and Total Chlorine Photometer

Water Resistant and CAL CHECK™

## Designed for Drinking Water Applications

The HI 96724 meter measures the free and total chlorine (Cl<sub>2</sub>) 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. 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 of frequent calibration.

With the powerful CAL CHECK™ validation function, you are able to validate good performance of the instrument at any time. The validation procedure is extremely user friendly. Just use the exclusive HANNA ready-made, NIST traceable standards to verify the performance of the instrument and recalibrate if necessary.

The instrument is water resistant and the lamp and filter units are protected from dust or dirt by a transparent cup. This makes the instrument ideal for field applications. Display messages aid the user in routine operation. The meter has an auto-shut off feature that will turn off the instrument after 10 minutes of non use in measurement mode or after 1 hour if left in calibration mode.

The meter uses an exclusive positive-locking system to ensure that the cuvet is in the same position every time it is placed into the measurement cell. It is designed to fit a cuvet with a larger neck making it easier to add both sample and reagents. The cuvet is made from special optical glass to obtain best results.

The reagents are in liquid form and are supplied in dropper bottles. The amount of reagent is precisely dosed to ensure the maximum repeatability.



HI 731318 — Glass Cleaning Cloths



### SPECIFICATIONS

### HI 96724

Range	Free Chlorine	0.00 to 5.00 mg/L
	Total Chlorine	0.00 to 5.00 mg/L
Resolution	0.01 mg/L (0.10 mg/L over 3.50 mg/L)	
Precision	±0.03 mg/L to 1.00 mg/L	
Light Source	Tungsten lamp	
Light Detector	Silicon Photocell with narrow band interference filter @ 525 nm	
Power Supply	(1) 9V battery	
Auto-off	After 10 minutes of non-use in measurement mode; after 1 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	192 x 102 x 67 mm (7.6 x 4 x 2.6")	
Weight	290 g (10 oz.)	
Method	Adaptation of the USEPA method 330.5 and Standard Method 4500-Cl G.	



## Available as a KIT

Just choose the "C" version

HI 96715C kit version shown.

### ORDERING INFORMATION

**HI 96724** is supplied with (2) sample cuvetts with caps, 9V battery and instruction manual.

**HI 96724C** is supplied with CAL CHECK™ standard cuvetts, (2) sample cuvetts with caps, 9V battery, cuvet cleaning cloth, scissors and instruction manual in a hard carrying case.

### REAGENTS AND STANDARDS

**HI 93701-T\*** Liquid reagents for 300 tests of Total Chlorine

**HI 93701-F** Liquid reagents for 300 tests of Free Chlorine

**HI 93711-D3** DPD3 reagent for 200 tests of Total Chlorine

**HI 95724-11** CAL CHECK™ standard cuvetts for HI 95724

### SOLUTIONS

**HI 93703-50** Cuvet cleaning solution, 250 mL

### ACCESSORIES

**HI 740029P** 9V Batteries (10)

**HI 721310** 9V Batteries (100)

**HI 731318** Cuvet cleaning cloth (4)

**HI 731331** Measuring cuvetts (4)

**HI 731335** Cuvet caps(4)

\*HI 93701-T contains HI 93701-F and HI 93711-D3 reagents