



HI96734

Free and Total Chlorine, High Range Portable Photometer

- **CAL Check**
 - Allows for performance verification and calibration of the meter using NIST traceable standards
- **Auto-shut off**
- **Built-in timer**
 - Display of time remaining before a measurement is taken

The HI96734 portable photometer is for the high range measurement of free chlorine and total chlorine. Hanna's portable photometers feature an advanced optical system; the combination of a special tungsten lamp, a narrow band interference filter, and silicon photodetector ensure accurate photometric readings every time. The Hanna exclusive CAL Check™ feature utilizes ready-made, NIST traceable standards to verify both meter validation and calibration. The exclusive cuvette locking system ensures that the cuvette is inserted into the measurement cell in the same position every time to maintain a consistent path length.

Significance of Use

Chlorine is one of the most cost-effective disinfectants used in a variety of different applications. Its use varies from light application in surface sanitation, to heavy duty disinfection of medical devices, to removal of microorganism infections in piping systems. The advantage of using chlorine over peroxide-type disinfectants is that chlorine is not only a strong oxidant, it also is capable of breaking tough chemical bonds found in cell walls or biofilms. Correct and effective use of chlorine helps to destroy disease-causing pathogens, reduce odors, and eliminate bacteria.

Specifications

HI96734 Free and Total Chlorine, HR

	Chlorine, Free HR (P1)	Chlorine, Total HR (P2)
Parameter Specifications	Range	0.00 to 10.00 mg/L
	Resolution	0.01 mg/L from 0.00 to 3.50 mg/L; 0.10 mg/L above 3.50mg/L
	Accuracy @ 25°C (77°F)	±0.03 mg/L ±3% of reading
Additional Specifications	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.)
Ordering Information	HI96734 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instructions. CAL Check™ standards and testing reagents sold separately	
	HI96734C 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	
Reagents and Standards	HI93734-01	reagents for 100 tests
	HI93734-03	reagents for 300 tests
	HI96734-11	CAL Check™ standard cuvettes