



HI96734 Free and Total Chlorine, High Range 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

Chlorine is the most cost-effective disinfectant and is used extensively in dialysis clinics. 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 chlorine over peroxide type disinfectants is that chlorine not only is a strong oxidant, it also is capable of breaking tough chemical bonds found in cell walls or biofilms. Correct and effective use of chlorine requires understanding of the chemical nature of the disinfectant.

The HI96734 photometer 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

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.)	
Method	adaptation of the USEPA method 330.5 and Standard method 4500-CL G (DPD)	
Ordering Information	<p>HI96734 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instructions. CAL Check™ standards and testing reagents sold separately</p> <p>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</p>	
Reagents and Standards	HI93734-01	reagents for 100 tests
	HI93734-03	reagents for 300 tests
	HI96734-11	CAL Check™ standard cuvettes

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

