

HI96771

Free Chlorine Ultra High Range Portable Photometer

- Up to 500 ppm chlorine range
- 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 HI96771 has been developed to check chlorine dosing in disinfection processes with ultra high concentrations of chlorine. Thanks to the extended range from 0 to 500 mg/L (ppm), it is ideal for the food industry, such as in fruit and vegetable washing.

The HI96771 meter measures the free chlorine (Cl₂) content in water samples and chlorine high range. In the high range mode, The HI96771 measures chlorine concentrations up to 500 mg/L. The methods are an adaptation of Standard Methods for the Examination of Water and Wastewater, 20th edition, 4500-Cl_G.

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



Specifications HI96771 Free Chlorine and Ultra High Range

Specifications	HI96771 Free Chlorine and Ultra High Range	
	Free Cl (P1)	Cl ₂ UHR (P2)
Range	0.00 to 5.00 mg/L (ppm)	0 to 500 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	1 mg/L from 0 to 200 mg/L; 10 mg/L above 200 mg/L
Accuracy @ 25°C (77°F)	±0.03 mg/L ±3% of reading	±3 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 Standard Methods for the Examination of Water and Wastewater, 20th edition, 4500-Cl	
Ordering Information	HI96771 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. <small>CAL Check™ standards and testing reagents sold separately</small>	
	HI96771C 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. <small>Reagents sold separately</small>	
Reagents and Standards	HI93701-01	reagents for 100 tests (free Cl)
	HI93701-03	reagents for 300 tests (free Cl)
	HI95771-01	reagents for 100 tests (UHR)
	HI95771-03	reagents for 300 tests (UHR)
	HI96771-11	CAL Check™ standards

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

