



## HI96701 • HI96762 Free Chlorine Portable Photometers

- **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 widely used in making many everyday products, but most notably, it is used for producing safe drinking water all over the world. Even the smallest water supplies are now usually chlorinated. It is also extensively used in the production of paper products, dyestuffs, textiles, petroleum products, medicines, antiseptics, insecticides, food, solvents, paints, plastics, and many other consumer products. Most of the chlorine produced is used in the manufacture of chlorinated compounds for sanitation, pulp bleaching, disinfectants, and textile processing.

The HI96701 meter measures the free chlorine ( $\text{Cl}_2$ ) content in water samples in the 0.00 to 5.00 mg/L (ppm) range.

The HI96762 meter was specially developed to measure low concentrations of free chlorine in drinking water.

These meters use an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

Specifications	HI96701 Free Chlorine	HI96762 Free Chlorine ULR	
Range	0.00 to 5.00 mg/L (ppm)	0.000 to 0.500 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	0.001 mg/L	
Accuracy @ 25°C (77°F)	±0.03 mg/L ±3% of reading	±0.020 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	adaptation of the Standard Method 4500-Cl G	
Ordering Information	<b>HI96701</b> and <b>HI96762</b> are supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately		
	<b>HI96701C</b> and <b>HI96762C</b> include photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, cuvette wiping cloth, instrument quality certificate, instruction manual and rigid carrying case. Reagents sold separately		
Reagents and Standards	HI96701	<b>HI96701-11</b>	CAL Check™ Standard Cuvettes
		<b>HI93701-01</b>	reagents for 100 tests
		<b>HI93701-03</b>	reagents for 300 tests
	HI96762	<b>HI96762-11</b>	CAL Check™ Standard Cuvettes
		<b>HI95762-01</b>	reagents for 100 tests
		<b>HI95762-03</b>	reagents for 300 tests

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