



Chlorine, Ultra High Range Photometers

Water Resistant and CAL CHECK™

Measure High Concentrations Accurately and Affordably

Responding to requirements to perform chlorine analysis at high concentrations, HANNA offers HI 96734 and HI 96771.

HI 96734 permits free and total chlorine analysis up to 10.00 ppm. This instrument is dedicated to monitor overchlorination through to chloramine destruction.

HI 96771 is a photometer developed to check chlorine dosing in disinfection processes with high concentrations of chlorine. Thanks to the extended range from 0 to 500 ppm, it is ideal for the food industry, such as in fruit and vegetable washing.

With the powerful CAL CHECK™ validation function, users are able to validate performance of the instruments 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 instruments and recalibrate if necessary.

The instruments are water resistant and the lamp and filter units are protected from dust or dirt by a transparent cup.

These meters use 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 powder and liquid form and are supplied in packets and bottles respectively. The amount of reagent is precisely dosed to ensure the maximum repeatability.



SPECIFICATIONS		HI 96734	HI 96771
Range	Free Chlorine	0.00 to 10.00 mg/L	LR: 0.00 to 5.00 mg/L HR: 0 to 500 mg/L
	Total Chlorine	0.00 to 10.00 mg/L	—
Resolution		0.01 mg/L (0.10 mg/L above 3.50 mg/L)	LR: 1 mg/L (0.10 mg/L above 3.50 mg/L) HR: 1 mg/L (10 mg/L above 200 mg/L)
Precision		±0.06 mg/L to 3.00 mg/L	LR: ±0.02 mg/L @ 1.00 mg/L HR: ±2 mg/L @ 100 mg/L
Light Source		Tungsten lamp	
Light Detector		Silicon Photocell with narrow band interference filter @ 525nm	
Power Supply		(1) 9V battery	
Auto-off		After 10 minutes of non-use in measuring 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.	Adaptation of Standard Methods for the Examination of Water and Wastewater, 20th edition, 4500-Cl.

ORDERING INFORMATION

HI 96734 is supplied with (2) sample cuvetts with caps, 9V battery and instruction manual.

HI 96734C 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.

HI 96771 is supplied with (2) sample cuvetts with caps, 9V battery and instruction manual.

HI 96771C 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

For HI 96734

HI 93734-01 Powder reagents for 100 tests (Free or Total Chlorine)

HI 93734-03 Powder reagents for 300 tests (Free or Total Chlorine)

HI 95734-11 CAL CHECK™ Standard Cuvets (1 set)

For HI 96771

HI 93701-01 Reagents for 100 Free Chlorine tests

HI 93701-03 Reagents for 300 Free Chlorine tests

HI 95771-01 Powder reagents for 100 tests

HI 95771-03 Powder reagents for 300 tests

HI 95771-11 CAL CHECK™ standard cuvetts for HI 95771

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)



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