HI 96734

Free and Total Chlorine, High Range Portable Photometer

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- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features

Bleach/chlorine is the most cost effective disinfectant and is used extensively in dialysis clinics. Its use varies from light duty application in surface sanitation to heavy duty disinfection of medical devices or 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 bounds found in cell walls or biofilms. Correct and effective use of bleach/chlorine requires understanding of the chemical nature of the disinfectant.

HI 96734 permits free and total chlorine analysis to monitor overchlorination through chloramine destruction.

The HI 96734 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 calibration (zeroing) cuvettes, are optically identical to provide the same measuring conditions.

Order Information:
HI 96734 is supplied with sample cuvettes with caps (2), battery and instructions.
HI 96734C includes photometer, sample cuvettes with caps (2 ea.), 9V battery, scissors, cloth for wiping cuvettes, instrument quality certificate, instruction manual and rigid carrying case.

Specifications | Accessories | Downloads

Range	**Cl, Free**	0.00 to 10.00 mg/L
	Cl, Total	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 3.50 mg/L
Accuracy @25°C		±0.03 mg/L ±3% of reading @ 25°C; excluding dilution error

Light Source	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 525 nm
Method	adaptation of the USEPA method 330.5and Standard Method 4500-Cl G
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
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
Dimensions	192 x 104 x 69 mm (7.6 x 4.1 x 2.7")
Weight	360 g (12.7 oz.)