

HI 93104

Free and Total Chlorine, Cyanuric Acid and pH



C 104 - Free and Total Chlorine, Cyanuric Acid and pH Meter

In swimming pools, spas and similar applications, a single instrument can be used to measure the four most important parameters in pool water testing. This photometer provides digital readout in seconds with much greater accuracy than comparable chemical test kits, eliminating the problems associated with color interpretations.

Unlike multi-parameter photometers or spectrophotometers the HI 93104 is very simple to operate: just zero your sample, pour the reagent in the cuvet and take a direct reading.

The HI 93104 is specifically designed for swimming pool and spa applications. This rugged meter features the four most common parameters for these applications.

Specifications

HI 93104 (Chlorine, CYS and pH)

Range	Free Chlorine	0.00 to 2.50 mg/L
	Total Chlorine	0.00 to 3.50 mg/L
	Cyanuric Acid	0 to 80 mg/L
	pH	5.9 to 8.5 pH
Resolution	Chlorine	0.01 mg/L
	Cyanuric Acid	1 mg/L
	pH	0.1 pH
Accuracy (@20°C/68°F)	Chlorine	±0.03 mg/L ±3% of reading
	Cyanuric Acid	±1 mg/L ±15% of reading
	pH	±0.1 pH
Light Source	LED (Light Emitting Diode) 555 nm	
Light Life	Life of the instrument	
Light Detector	Silicon Photocell	
Battery Type / Life	1 x 9V / approx. 40 hours of continuous use; auto-off after 10 minutes of non-use	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")	
Weight	290 g (10 oz.)	
Method	Chlorine	Adaptation of the EPA recommended DPD method 330.5
	Cyanuric Acid	Adaptation of the Turbidimetric method
	pH	Phenol red method

Accessories

HI 93701-01	Reagent kit for 100 tests (free Cl ₂)	HI 93711-01	Reagent kit for 100 tests (Total Cl ₂)
HI 93701-03	Reagent kit for 300 tests (free Cl ₂)	HI 93711-03	Reagent kit for 300 tests (Total Cl ₂)
HI 93701-F	Liquid reagent for 300 tests (free Cl ₂)	HI 93711-D3	DPD3 reagent for 600 tests (Total Cl ₂)
HI 93701-T	Liquid reagent for 300 tests (Total Cl ₂)	HI 93722-01	Reagent kit for 100 tests (CYS)
HI 93710-01	Reagent kit for 100 tests (pH)	HI 93722-03	Reagent kit for 300 tests (CYS)
HI 93710-03	Reagent kit for 300 tests (pH)		



HI 93104C is a complete kit for all your measurement needs in the field.

Ordering Information

HI 93104 is supplied complete with 2 cuvettes, battery and instructions.

HI 93104C, kit includes HI 93104, hard carrying case and reagents.

Calibration Standards for Free Chlorine:

HI 93701-00	0.00 mg/L Free Cl ₂ set (4 pcs)
HI 93701-25	0.25 mg/L Free Cl ₂ set (4 pcs)
HI 93701-50	0.50 mg/L Free Cl ₂ set (4 pcs)
HI 93701-10	1.00 mg/L Free Cl ₂ set (4 pcs)
HI 93701-11	0.00, 0.25, 0.50, 1.00 mg/L Free Cl ₂ set

For a comprehensive list of accessories, see sections U and V