

Multiparameter Photometer for Pools and Spas

Around the world, swimming pool and spa facilities welcome dozens, even hundreds of people on a daily basis. A basic necessity of pool water treatment is to maintain the water in a safe and pleasant condition for the bathers.

In order to achieve ideal water conditions, swimming pool water requires testing on a daily and sometimes hourly basis for disinfection residuals and maintaining pH levels. Equally important, calcium hardness and alkalinity levels should be monitored weekly to ensure the pool water is well balanced, thus to avoid corrosion and scale formation.

HI 83216 is a multiparameter bench meter that measures six different methods essential for pool and spa water analysis. It has two channels allowing for a wide range of tests.

The optical system of HI 83216 is based on special subminiature tungsten lamps and narrow-band interference filters to guarantee both high performance and reliable results.

HI 83216 has a powerful interactive user support that assists the user during the analysis process. A full tutorial is available in the Setup Menu, and the Help Menu provides assistance for every step in the measurement process. This meter can be connected to a PC via a USB cable, where the data can be managed with optional HI 92000 Windows® compatible software.



When you need to only measure a few parameters daily, the HI 83216 can do the job quickly, accurately and at a comparable cost of chemical test kits.

HI 83216 TEST	RANGE	METHOD	REAGENT CODE [†]
Alkalinity	0 to 500 mg/L (ppm) as CaCO ₃	Bromocresol green	HI 93755-01
Chlorine, Free	0.00 to 5.00 mg/L (ppm)	DPD	HI 93701-01
Chlorine, Total	0.00 to 5.00 mg/L (ppm)	DPD	HI 93711-01
Cyanuric Acid	0 to 200 mg/L (ppm)	Turbidimetric	HI 93722-01
Hardness, Calcium	0 to 500 mg/L (ppm) as CaCO ₃	Calmagite	HI 93720-01
pH	6.5 to 8.5 pH	Phenol Red	HI 93710-01

Reagents are available in liquid or powder form, and the amount of each reagent is precisely dosed to ensure maximum repeatability.
[†] Unless noted otherwise, all reagent codes ending with -01 are for 100 tests. Replace the -01 with -03 for 300 tests.



ORDERING INFORMATION

HI 83216-01 (115V), HI 83216-02 (230V), are supplied with sample cuvettes with caps (4 ea.), cloth for wiping cuvettes, scissors, AC/DC power adapter and instruction manual

For a complete list of Reagents, see Reagents Section 18.