

HI96745

Total Chlorine, Hardness, Iron Low Range and pH Portable Photometer

- CAL Check™
 - Allows for performance verification and calibration of the meter using NIST traceable standards
- Auto-shut off
- Built-in timer
 - Display of time remaining before a measurement is taken

The HI96745 is a powerful instrument to keep pH, chlorine, total hardness and low range iron parameters under control.

Significance of Use

Chlorine and pH are two of the most closely monitored parameters in water quality tests. Hardness is also an important parameter, attentively regulated to reduce waste or ensure proper functioning of equipment. Iron can cause an unpleasant taste or stain kitchenware or laundry.



Specifications

HI96745 Chlorine, Total Hardness, Iron Low Range and pH

Parameter Specifications	pH (P1)	Chlorine, Free (P2); Chlorine, Total (P3)
	Range	6.5 to 8.5 pH
Resolution	0.1 pH	0.01 mg/L under 3.50 mg/L; 0.10 mg/L above 3.50 mg/L
Accuracy @ 25°C (77°F)	±0.1 pH	±0.03 mg/L ±3% of reading
Additional Specifications	Total Hardness (P4)	Iron, Low Range (P5)
	Range	0.00 to 4.70 mg/L (ppm)
Resolution	0.01 mg/L	0.01 mg/L
Accuracy @ 25°C (77°F)	±0.11 mg/L ±5% of reading	±0.01 mg/L ±8% 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	192 x 104 x 69 mm (7.6 x 4.1 x 2.7")	
Weight	320g (11.3 oz.)	
Method	pH: phenol red method; Cl: Adaptation of the USEPA method and Standard Method 4500-Cl G method; Total Hardness: adaptation of the Standard Methods for the examination of Water and Wastewater, 18th ed., calmagite colorimetric method; Iron LR: adaptation of the TPTZ method method.	
Ordering Information	HI96745 is supplied with sample cuvettes (2) with caps, battery, instrument quality certificate and instructions. CAL Check standards and testing reagents sold separately	

Reagents and Standards

HI96701-11	CAL Check standard cuvettes (free Cl)
HI93701-01	reagents for 100 tests (free Cl)
HI93701-03	reagents for 300 tests (free Cl)
HI96710-11	CAL Check standard cuvettes (pH)
HI93710-01	reagents for 100 tests (pH)
HI93710-03	reagents for 300 tests (pH)
HI96711-11	CAL Check standard cuvettes (total Cl)
HI93711-01	reagents for 100 tests (total Cl)
HI93711-03	reagents for 300 tests (total Cl)
HI96719-11	CAL Check standard cuvettes (hardness)
HI93719-01	reagents for 100 tests (hardness)
HI93719-03	reagents for 300 tests (hardness)
HI96746-11	CAL Check standard cuvettes (iron)
HI93746-01	reagents for 50 tests (iron)
HI93746-03	reagents for 150 tests (iron)