



HI96101

Bromine, Chlorine, Cyanuric Acid, Iron Iodine 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

Bromine, Free and Total Chlorine, Cyanuric Acid, Iron, Iodine and pH content in water and wastewater samples. The reagents are in powder and liquid form depending on the parameter, and are supplied in dropper bottles and packets.

Hanna's portable photometers feature an advanced optical system; the combination of a special tungsten lamp, a narrow band interference filter, and silicon photodetector ensure accurate photometric readings every time. The Hanna exclusive CAL Check™ feature utilizes ready-made, NIST traceable standards to verify both meter validation and calibration. The exclusive cuvette locking system ensures that the cuvette is inserted into the measurement cell in the same position every time to maintain a consistent path length.

Specifications

HI96101 Bromine, Chlorine, Cyanuric Acid, Iodine, Iron LR and pH

Parameter Specifications		pH (P1)	Chlorine [Free (P2) & Total (P3)]
	Range	6.5 to 8.5 pH	0.00 to 5.00 mg/L (ppm)
	Resolution	0.1 pH	0.01 mg/L under 3.50 mg/L; 0.10 mg/L over 3.50 mg/L
	Accuracy @ 25°C (77°F)	±0.1 pH	±0.03 mg/L ±3% of reading
		Cyanuric Acid (P4)	Iodine (P5)
	Range	0 to 80 mg/L (ppm)	0.0 to 12.5 mg/L (ppm)
	Resolution	1 mg/L	0.1 mg/L
	Accuracy @ 25°C (77°F)	±1 mg/L ±15% of reading	±0.1 mg/L ±5% of reading
		Bromine (P6)	Iron LR (P7)
	Range	0.00 to 10.00 mg/L (ppm)	0.00 to 1.60 mg/L (ppm)
	Resolution	0.01 mg/L	0.01 mg/L
	Accuracy @ 25°C (77°F)	±0.08 mg/L ±3% of reading	±0.01 mg/L ±8% or reading
Additional Specifications	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	193 x 104 x 69 mm (7.6 x 4.1 x 2.7")	
	Weight	360 g (12.6 oz.)	
	Method	Bromine: adaptation of the EPA, DPD method; Chlorine: adaptation of the USEPA method and Standard Method 4500-Cl G; Cyanuric Acid: adaptation of the turbidimetric method; Iodine: adaptation of the EPA, DPD method; Iron LR: adaptation of the TPTZ method; pH: Phenol Red method	
Ordering Information	HI96101 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately		
	HI96101C includes photometer, CAL Check™ standards, sample cuvettes (2) with caps, scissors, cuvette wiping cloth, 9V battery, instruction manual and rigid carrying case. Reagents sold separately		

Reagents and Standards

HI96701-11	CAL Check™ standard cuvettes (free Cl)
HI93701-01	reagents for 100 tests (free Cl)
HI96710-11	CAL Check™ standard cuvettes (pH)
HI93710-01	reagents for 100 tests (pH)
HI96711-11	CAL Check™ standard cuvettes (total Cl)
HI93711-01	reagents for 100 tests (total Cl)
HI96716-11	CAL Check™ standard cuvettes (bromine)
HI93716-01	reagents for 100 tests (bromine)
HI96718-11	CAL Check™ standard cuvettes (iodine)
HI93718-01	reagents for 100 tests (iodine)
HI96722-11	CAL Check™ standard cuvettes (cyanuric acid)
HI93722-01	reagents for 100 tests (cyanuric acid)
HI96746-11	CAL Check™ standard cuvettes (iron)
HI93746-01	reagents for 50 tests (iron)