

HI96735

Hardness, EPA Portable Photometer

- **CAL Check™**
 - Enables users to check validity of calibration
- **BEPS**
 - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
 - Meets Good Laboratory Practices

Total hardness refers to the presence of magnesium and calcium and is due mainly to the runoff water dissolving these salts as it flows or filters through different strata. Hardness can also cause scaling of pipes in cooling and heating systems.

The HI93735 measures the total hardness in drinking, surface and wastewater.

This meter uses an exclusive positive-locking system to ensure that the cuvette is in the same position every time it is placed into the measurement cell. It is designed to fit cuvettes with a larger neck, making it easier to add both sample and reagents. The cuvettes are made from special optical glass to obtain the best results.



Specifications

	HI96735 Hardness, Total		
	Hardness LR (P1)	Hardness MR (P2)	Hardness HR (P3)
Range	0 to 250 mg/L (ppm)	200 to 500 mg/L (ppm)	400 to 750 mg/L (ppm)
Resolution	1 mg/L from 0 to 100 mg/L, 5 mg/L from 100 to 250 mg/L	1 mg/L from 0-100 5 mg/L from 100-750	5 mg/L
Accuracy @ 25°C (77°F)	±5 mg/L ±4% of reading	±7 mg/L ±3% of reading	±10 mg/L ±2% of reading
Light Source	light emitting diode		
Light Detector	silicon photocell with narrow band interference filter @ 465		
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 (12.7 oz.)		
Method	adaptation of the EPA recommended method 130.1		

Ordering Information

HI96735 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual.
CAL Check™ standards and testing reagents sold separately

Reagents and Standards

HI96735-11	CAL Check™ standard cuvettes
HI93735-00	reagents for 100 tests (0-250 mg/L)
HI93735-01	reagents for 100 tests (200-500 mg/L)
HI93735-02	reagents for 100 tests (400-750 mg/L)
HI93735-0	reagents for 100 tests (0-750 mg/L)

Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71

*The reagents are in liquid and powder form and are supplied in bottles and in packets. The amount of reagent is precisely dosed to ensure maximum repeatability.

