

HI 93735

Full Range of Total Hardness in ppm, °fH, °dH & °eH

Features ...

Total hardness, that is presence of magnesium and calcium, is due mainly to the run-off water dissolving these salts as it flows or filters through different strata. Hardness can also cause scaling of pipes in cooling and heating systems. Reverse osmosis and demineralization also increase hardness levels.

The Hanna hardness meter, **HI 93735**, measures total hardness in three different scales: 0 to 250, 200 to 500 and 400 to 750 ppm, covering an extensive range of applications.

With **HI 93735** hardness can be measured in ppm (mg/L) as well as in French (°fH), German (°dH) and English hardness (°eH). The reading is expressed directly in ppm and it is not necessary to use conversion tables and diagrams for interpretation.



... and Benefits

- **Hardness from 0 to 750 mg/L**

Hanna's **HI 93735** is the only photometer on the market that offers this wide a range of measurement with just the touch of a button.

- **Simple Procedure**

No need to spend time trying to interpret the change of color or use conversion tables, the **HI 93735** simple procedure takes the guesswork out of your readings.

- **Long Battery Life**

With a normal 9V battery you will be able to get more than 300 measurements. The auto shut-off feature (after 10 min. of non-use) guarantees a long battery life.

Specifications

HI 93735 (Total Hardness)

Range	0 to 250 mg/L; 200 to 500 mg/L; 400 to 750 mg/L
Resolution	1 mg/L (from 0 to 100 mg/L); 5 mg/L (from 100 to 750 mg/L)
Accuracy (@20°C/68°F)	±5 mg/L or ±4% of reading (0 to 250 mg/L); ±7 mg/L or ±3% (200 to 500 mg/L); ±10 mg/L or ±2% (400 to 750 mg/L)
Typical EMC Deviation	±5 mg/L
Light Source	Light Emitting Diode @ 470 nm
Light Life	Life of the instrument
Light Detector	Silicon Photocell
Battery Type / Life	1 x 9V / approximately 40 hours of continuous use. Auto shut-off after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH 95%
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)
Method	Adaptation of the EPA 130.1 method. The reaction between Ca or Mg and the reagents causes a red-violet tint in the sample.

Ordering Information

HI 93735 is supplied with 2 cuvettes, caps, 9V battery and instruction manual.

Accessories

HI 710009	Blue rubber boot
HI 710010	Orange rubber boot
HI 731318	Tissue for wiping cuvettes (4 pcs)
HI 731321	Spare measurement cuvettes (4 pcs)
HI 93703-50	Cuvet cleaning solution (230 mL)
HI 731325	Cuvet cap (4 pcs)
HI 93735-00	Reagent kit for 100 tests (0-250 mg/L)
HI 93735-01	Reagent kit for 100 tests (200-500 mg/L)
HI 93735-02	Reagent kit for 100 tests (400-750 mg/L)
HI 93735-0	Reagent kit for 100 tests (0-750 mg/L)

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