



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

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** instruments® 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.



### Specifications

HI 93735 (Total Hardness)		
Range	ppm	0 to 250 mg/L; 200 to 500 mg/L; 400 to 750 mg/L
	°f	0 to 25; 20 to 50; 40 to 75
	°D	0.0 to 13.9; 11.1 to 27.8; 22.2 to 41.7
	°E	0.0 to 17.5; 14.0 to 35.0; 28.0 to 52.5
Resolution		1 mg/L (0 to 100 mg/L); 5 mg/L (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)
Light Source		LED (Light Emitting Diode) 470 nm
Light Life		Life of the instrument
Light Detector		Silicon Photocell
Battery Type / Life		1 x 9V / approx. 40 hours of continuous use; Auto-off after 10 minutes of non-use
Environment		0 to 50°C (32 to 122°F); RH max 95% non-condensing
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.

### Accessories

HI 710009	Shockproof rubber boot, blue	HI 93735-00	Reagent kit for 100 tests (0-250 mg/L)
HI 710010	Shockproof rubber boot, orange	HI 93735-01	Reagent kit for 100 tests (200-500 mg/L)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93735-02	Reagent kit for 100 tests (400-750 mg/L)
HI 731321	Measuring cuvet (4 pcs)	HI 93735-0	Reagent kit for 100 tests (0-750 mg/L)
HI 93703-50	Cuvet cleaning solution (230 mL)		
HI 731325	Cuvet cap (4 pcs)		

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

### Ordering Information

HI 93735 is supplied complete with 2 cuvetts, battery and instructions.