



Iron, Total Hardness and pH Meter

Three important parameters measured with just one meter! The easy-to-use HI 93744 can replace several meters or test kits to practically perform the same tests with better accuracy.

At the touch of a button, you can zero your sample. This means that prior to each measurement and literally in a few seconds, your meter is calibrated, ensuring an accurate end result.

HI 93744 uses an LED that lasts the life of the meter. The unit is powered by a common and inexpensive 9V battery that can provide up to 40 hours of battery life. A built-in automatic switch off will also turn the meter off after 10 minutes to prolong the battery life.

The meter housing is made of rugged ABS plastic and the keyboard is splash-proof. The unit weighs less than 300 grams (11 ounces) so that it can be packed in the smallest of cases and carried to the remotest sites. HI 93744 is also guaranteed as yet another quality HANNA instruments® product and backed with a two-year warranty.



Specifications

HI 93744 (Total Hardness, Iron LR and pH)

Range	Iron	0 to 400 µg/L
	pH	5.9 to 8.5 pH
	Total Hardness	0.00 to 4.70 mg/L
Resolution	Iron	1 µg/L
	pH	0.1 pH
	Total Hardness	0.01 mg/L
Accuracy (@20°C/68°F)	Iron	±10 µg/L ±8% of reading
	pH	±0.1 pH
	Total Hardness	±0.11 mg/L ±5% of reading
Light Source	LED (Light Emitting Diode) 555 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	Fe	Adaptation of the TPTZ method
	pH	Phenol red method
	Total Hardness	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18 th ed. Calmagite/colorimetric method

Ordering Information

HI 93744 is supplied with 2 cuvetts, battery and instructions.

Accessories

HI 710009	Shockproof rubber boot, blue	HI 93746-01	Reagent kit for 50 test (Fe LR)
HI 710010	Shockproof rubber boot, orange	HI 93746-03	Reagent kit for 150 test (Fe LR)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93719-01	Reagent kit for 100 tests (Total Hardness)
HI 93703-50	Cuvet cleaning solution (230 mL)	HI 93719-03	Reagent kit for 300 tests (Total Hardness)
HI 731321	Measuring cuvet (4 pcs)		
HI 731325	Cuvet cap (4 pcs)		
HI 93710-01	Reagent kit for 100 tests (pH)		
HI 93710-03	Reagent kit for 300 tests (pH)		

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