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Hardness, Mg

- Colorimetric method for measuring Mg hardness
- Lab grade accuracy
- Self-diagnostic and error messages

Water, with exception of distilled water, contains dissolved salts (magnesium and calcium carbonates). The concentration of these salts determines the water hardness, which can be expressed in calcium carbonate or in magnesium carbonate. The sum of these two represents the total hardness level. The presence of dissolved salts is due to the fact that water often comes from underground sources which are made up of rain water filtered through deep ground layers. Rain water eventually reaches a waterproof flooring and forms a natural tank which is also called the water bearing stratum. By passing through the various layers of soil and rock, rain water dissolves some of the mineral substances. Hardness is a consequence of the type of rock layers which the water passes through and of its permanence in the water bearing stratum. In addition, this parameter is also related to the phenomenon of pipe rusting in water heating and cooling systems, reverse osmosis and demineralization plants. HANNA instruments® offers two different meters to measure magnesium and calcium, results are expressed in calcium carbonate equivalent.

HI 93719 is supplied complete with 2 cuvets, battery and instructions.

Available Accessories:	
HI 710009	Blue rubber boot
HI 710010	Orange rubber boot
HI 731318	Tissue for wiping cuvets (4 pcs)
HI 731321	Spare measurement cuvets (4 pcs)
HI 93703-50	Cuvet cleaning solution (230 mL)
HI 731325	Cuvet cap (4 pcs)
HI 93719-01	Reagent kit for 100 tests
HI 93719-03	Reagent kit for 300 tests

Specifications:	
Range	0.00 to 2.00 mg/L
Resolution	0.01 mg/L
Accuracy (@20°C/68°F)	±0.11 mg/L ±5% of reading
Typical EMC Deviation	±0.02 mg/L
Light Source	Light Emitting Diode @ 555 nm
Light Life	Life of the instrument
Light Detector	Silicon Photcell
Battery Type / Life	1 x 9V/ approximately 40 hours of continuous 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.)