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Sulfate

- Efficient alternative to chemical test kits
- Easy field measurement
- Wide range

Sulfate is widely present in natural waters in different concentrations. Sulfate concentration is to be kept within a strict range for drinking water, especially since the value can be high near mine drainage points. Sulfate is also rigorously tested in the production of beverages such as beer, due to its significant effect upon odor and taste. Sulfate is added to certain types of boilers to help precipitate calcium and magnesium and to inhibit encrustation. On the other hand, too much sulfate can be corrosive in high pressure boilers, electric turbines and their heat exchangers. In fact, in these applications it is important to keep the level below a specific limit. Similar checks of sulfate presence are carried out in water used for different production cycles, including those of semiconductors. HI 93751 measures the sulfate ion concentration using a turbidimetric method. The turbidity of the sample, after the addition of reagents, is proportional to the strength of sulfate present.

HI 93751 is supplied 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 93703-50	Cuvet cleaning solution (230 mL)
HI 731321	Spare measurement cuvets (4 pcs)
HI 731325	Cuvet cap (4 pcs)
HI 93751-01	Reagent kit for 100 tests

Specifications:	
Range	0 to 150 mg/L
Resolution	1 mg/L
Accuracy (@20°C/68°F)	±1 mg/L ±5% of reading
Typical EMC Deviation	±1 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 / Approx. 40 hours of continuous use
Environment	32 to 122°F (0 to 50°C); RH 95%
Dimensions	7.1 x 3.3 x 1.8" (180 x 83 x 46mm)
Weight	10 oz. (290 grams)