



## Meters for High and Low Fluoride Concentration

Fluoride is best known for preventing tooth decay. Water authorities often add fluoride to drinking water to maintain approximately a 1.0 mg/L concentration. Fluoride can be found naturally in ground water, particularly if a reservoir is in the proximity of draws of sea water. While fluoride does help to prevent tooth decay, too little can be ineffective and too much can cause staining.

Two different photometers are available to cover the high as well as low ranges. In addition to HI 93729 for low fluoride measurements of up to 2 mg/L with 0.01 mg/L resolution, there is the option of HI 93739 which spans the high scale all the way to 20.0 mg/L. Both meters are microprocessor based and measure only one parameter for added simplicity. The new HI 93729C kit provides you with all the necessary equipment for field measurement in a rugged carrying case.



HI 93729C is a complete kit for all your measurement needs in the field

### Ordering Information

HI 93729 is supplied complete with 2 cuvettes, battery and instructions.

HI 93729C, kit includes HI 93729, hard carrying case and reagents.

HI 93739 is supplied complete with 2 cuvettes, battery and instructions.

### Specifications

	HI 93729 (Fluoride)	HI 93739 (Fluoride HR)
Range	0.00 to 2.00 mg/L	0.0 to 20.0 mg/L
Resolution	0.01 mg/L	0.1 mg/L
Accuracy (@20°C/68°F)	±5% of reading	±0.5 ppm ±3% of reading
Light Source	LED (Light Emitting Diode) 585 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") (7.1 x 3.3 x 1.8")	
Weight	290 g (10 oz.)	
Method	Adaptation of the SPADNS method.	
	The reaction between fluoride and the liquid reagent causes a red tint in the sample	

### Accessories

HI 710009	Shockproof rubber boot, blue	HI 731341	Automatic pipet, 1000 µL fixed volume
HI 710010	Shockproof rubber boot, orange	HI 731342	Automatic pipet, 2000 µL fixed volume
HI 731318	Tissue for wiping cuvettes (4 pcs)	HI 731351	Tip for automatic pipet 1000 µL (25 pcs)
HI 731321	Measuring cuvet (4 pcs)	HI 731352	Tip for automatic pipet 2000 µL (4 pcs)
HI 93703-50	Cuvet cleaning solution (230 mL)	HI 93703-53	Reagent for chlorine reducing concentration
HI 731325	Cuvet cap (4 pcs)		
HI 93729-01	Reagent kit for 100 tests (F <sup>-</sup> LR)		
HI 93729-03	Reagent kit for 300 tests (F <sup>-</sup> LR)		
HI 93739-01	Reagent kit for 100 tests (F <sup>-</sup> HR)		
HI 93739-03	Reagent kit for 300 tests (F <sup>-</sup> HR)		

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