



# Fluoride, Low Range Photometer

Water Resistant and CAL CHECK™

## Measure Fluoride LR Accurately

A high concentration of fluoride can be harmful, so its presence needs to be monitored. HANNA offers the HI 96729, including an automatic 2000 µL automatic pipette.

With the powerful CAL CHECK™ validation function, you are able to validate good performance of the instrument at any time. The validation procedure is extremely user friendly. Just use the exclusive HANNA ready-made, NIST traceable standards to verify the performance of the instrument and recalibrate if necessary.

The instrument is water resistant and the lamp and filter units are protected from dust or dirt by a transparent cup. This makes the instrument ideal for field applications. Display messages aid the user in routine operation. The meter has an auto-shut off feature that will turn off the instrument after 10 minutes of non use in measurement mode or after 1 hour if left in calibration mode.

The meter uses an exclusive positive-locking system to ensure that the cuvet is in the same position every time it is placed into the measurement cell. It is designed to fit a cuvet with a larger neck making it easier to add both sample and reagents. The cuvet is made from special optical glass to obtain best results.

The automatic pipette is a fast and precise tool to safely dose liquid reagents. The automatic pipette's tip is also can be changed.

The reagent is in liquid form and is supplied in bottles. The amount of reagent is precisely dosed to be used by the supplied automatic pipette for maximum repeatability.

One of the most important interfering element for fluoride is chlorine, present in some applications such as drinking waters.

HANNA suggests using the HI 93703-53 liquid reagent with dropper to remove chlorine interference. This reagent is very quick and practical to use, just add a drop to every 2 mg/L of chlorine to eliminate its interference.



### SPECIFICATIONS

### HI 96729

Range	0.00 to 2.00 mg/L
Resolution	0.01 mg/L
Precision	±0.03 mg/L to 1.00 mg/L
Light Source	Tungsten lamp
Light Detector	Silicon Photocell with narrow band interference filter @ 575nm
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	(1) 9V battery
Auto-off	After 10 minutes of non-use in measurement mode; after 1 hour of non-use in calibration mode; with last reading reminder.
Dimensions	192 x 102 x 67 mm (7.6 x 4 x 2.6")
Weight	290 g (10 oz)
Method	Adaptation of the EPA method 340.1 and Standard Methods for the Examination of Water and Wastewater, 20th edition, SPANDS method.



## Available as a KIT

Just choose the "C" version

HI 96715C kit version shown.

### ORDERING INFORMATION

**HI 96729** is supplied with (2) sample cuvettes with caps, 9V battery and instruction manual.

**HI 96729C** is supplied with CAL CHECK™ standard cuvettes, (2) sample cuvettes with caps, (1) 2000 µL automatic pipette with cap, (1) pipette tip, 9V battery, cuvet cleaning cloth and instruction manual in a hard carrying case.

### REAGENTS AND STANDARDS

**HI 95729-11** CAL CHECK™ Standard Cuvets (1 set)

**HI 93703-53** Chlorine remover

**HI 93729-01** Reagents for 100 tests

**HI 93729-03** Reagents for 300 tests

### SOLUTIONS

**HI 93703-50** Cuvet cleaning solution, 250 mL

### ACCESSORIES

**HI 740029P** 9V Batteries (10)

**HI 721310** 9V Batteries (100)

**HI 731318** Cuvet cleaning cloth (4)

**HI 731331** Measuring cuvettes (4)

**HI 731335** Cuvet caps (4)

**HI 731342** 2000 mL automatic pipette, fixed volume

**HI 731352** Tips for 2000 mL automatic pipette (4)