

Fluoride Low Range Handheld Colorimeters

Fluoride is one of the very few chemicals that have been shown to cause significant effects in people through drinking-water. Fluoride has beneficial effects on teeth at low concentrations in drinking-water, but excessive exposure to fluoride in drinking-water, or in combination with exposure to fluoride from other sources, can give rise to a number of adverse effects.

Water fluoridation is the controlled addition of fluoride to a public water supply to reduce tooth decay. Fluoridated water operates on tooth surfaces: in the mouth it creates low levels of fluoride in saliva, which reduces the rate at which tooth enamel demineralizes and increases the rate at which it remineralizes in the early stages of cavities.

A 1994 World Health Organization expert committee suggested a level of fluoride from 0.5 to 1.0 mg/L, depending on climate. Bottled water typically has unknown fluoride levels, and some domestic water filters remove some or all fluoride.

The HI 729 Checker®HC is simple to use. For this measurement you need 2 vials (#1 and #2); in both vials add 2 mL of reagent and until the mark: deionized water in vial #1 and sample in vial #2, and gently invert 5 times, and wait 2 minutes. Then insert the cuvette #1 into the HI 729 Checker®HC and press the button to zero; after that cuvette #2 to read the measurement results.

Checker®HC
handheld colorimeter



Easier to use and more accurate than chemical test kits

- SPADNS method
- ±0.05 ppm ±5% of reading accuracy
- Large, easy to read digits
- Auto shut off

Dedicated to a single parameter

- Designed to work with HANNA's reagents
- Uses 10 mL glass cuvettes

Small size, big convenience

- Weighing a mere 64 g (2.25 oz.), the Checker®HC easily fits into the palm of your hand or pocket
- Use for quick and accurate on the spot analysis
- Single button operation: zero and measure
- Operated by a single AAA battery

Ideal for:

- Water quality

ORDERING INFORMATION

HI 729 Checker®HC is supplied with sample cuvettes with caps (2), reagents for 6 tests, syringe with tip, battery and instructions.

REAGENTS AND STANDARDS

- HI 729-26 Reagents for 25 tests (Fluoride LR)
- HI 729-11 Calibration checking set (0 and 1.00 ppm Fluoride)

ACCESSORIES

- HI 731318 Cuvette cleaning cloth (4)
- HI 731321 Glass cuvettes (4)
- HI 731225 Caps for cuvettes (4)
- HI 93703-50 Cuvette cleaning solution, 230 mL

SPECIFICATIONS	HI 729 (Fluoride LR)
Range	0.00 to 2.00 ppm
Resolution	0.01 ppm
*Accuracy @ 25°C/77°F	±0.05 ppm ±5% of reading
Light Source	LED @ 575 nm
Light Detector	silicon photocell
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Battery Type	(1) 1.5V AAA
Auto-off	after two minutes of non-use and ten seconds after reading
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")
Weight	64 g (2.25 oz.)
Method	adaptation of SPADNS method

* Excluding sample volume error

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products,
come great
results™

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