

HI729 · HI739

Fluoride Low Range and High Range

Handheld Colorimeters

- Easier to use and more accurate than chemical test kits
- Dedicated to a single parameter
- Small size, big convenience
- Ideal for water quality

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.

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



Specifications	HI729 (LR)	HI739 (HR)
Range	0.00 to 2.00 ppm (as F ⁻)	0.0 to 20.0 ppm (as F ⁻)
Resolution	0.01 ppm	0.1 ppm
Accuracy	0.10 ppm ±5% of reading @ 25 °C (77 °F)	0.5 ppm ±5% of reading @25 °C (77 °F)
Light Source	Light Emitting Diode @ 575 nm	
Light Detector	Silicon photocell	
Method	Adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th Edition, SPADNS Method	
Environment	0 to 50 °C (32 to 122 °F); max. 95% RH non-condensing	
Battery Type	1.5V AAA Alkaline	
Auto-off	After 10 minutes of non-use and 2 minutes after reading	
Dimensions	86.0 x 61.0 x 37.5 mm (3.4 x 2.4 x 1.5")	
Weight	64 g (2.3 oz)	
Ordering Information	HI729 Checker®HC is supplied with sample cuvette and cap (2 pcs.), Fluoride Low Range reagent starter kit (reagents for 6 tests), 1 mL syringe with tip, 1.5V AAA alkaline battery (1 pc.), and instruction manual. HI739 Checker®HC is supplied with sample cuvette and cap (2 pcs.), Fluoride High Range reagent starter kit (reagents for 15 tests, 1 mL syringe with tip, Plastic pipette (1 pc.), 1.5V AAA alkaline battery (1 pc.), and instruction manual.	
Reagent Set	HI729-26 Reagents for 20 Fluoride Low Range tests	HI739-26 Reagents for 30 Fluoride High Range tests
Calibration Set	HI729-11 Fluoride Low Range certified standard kit	HI739-11 Fluoride High Range certified standard kit