



HI747 • HI702 Copper Low Range and High Range

Handheld Colorimeters

- Ideal for:
 - Water Quality
 - Education
 - Aquarium
 - Wastewater
 - Environmental

The HI747 and HI702 Checker®HC are simple, accurate, and cost effective way to measure high and low ranges of copper. Designed as a more accurate alternative to chemical test kits, the HI747 and HI702 provide quick, accurate results in four easy steps.

Specifications	HI747 (LR)	HI702 (HR)
Range	0 to 999 ppb	0.00 to 5.00 ppm
Resolution	1 ppb	0.01 ppm
Accuracy* @ 25°C/77°F	+10 ppb + 5% of reading	+0.05 ppm + 5% of reading
Light Source	LED @ 575 nm	
Auto-off	after ten minutes of non-use	
Method	adaptation of the EPA method	
Ordering Information	<p>HI747 Checker®HC is supplied with sample cuvettes with caps (2), copper LR reagent starter kit (reagents for 6 tests), battery, instructions and quick start guide.</p> <p>HI702 Checker®HC is supplied with sample cuvettes with caps (2), copper HR reagent starter kit (reagents for 6 tests), battery, instructions and quick start guide.</p>	
Reagent Set	HI747-25 (25 tests)	HI702-25 (25 tests)
Calibration Set	HI747-11	HI702-11



HI729 • HI739 Fluoride Low Range and High Range

Handheld Colorimeters

- 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	0.0 to 20.0 ppm
Resolution	0.01 ppm	0.1 ppm
Accuracy* @ 25°C/77°F	+0.10 ppm + 5% of reading	+0.5 ppm + 5% of reading
Light Source	LED @ 575 nm	
Auto-off	after ten minutes of non-use	
Method	adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, SPADNS method	
Ordering Information	<p>HI729 Checker®HC is supplied with sample cuvettes with caps (2), fluoride LR reagent starter kit (reagents for 5 tests), syringe with tip, battery, instructions and quick start guide.</p> <p>HI739 Checker®HC is supplied with sample cuvettes with caps (2), fluoride HR reagent starter kit (reagents for 15 tests), syringe with tip, plastic pipette, battery, instructions and quick start guide.</p>	
Reagent Set	HI729-26 (20 tests)	HI739-26 (30 tests)
Calibration Set	HI729-11	HI739-11