

HI747 · HI702 · HI7024

## Copper 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
  - Education
  - Aquarium
  - Wastewater
  - Environmental

The HI702, HI7024, and HI747 Checker®HC are a simple, accurate, and cost effective way to measure high and low ranges of copper. Designed as a more accurate alternative to chemical test kits, these meters provide quick, accurate results in four easy steps.

**Step One** - Add a sample to the included cuvette(s).

**Step Two** - Insert sample into the Checker HC and press button to zero.

**Step Three** - Remove sample and add reagent packet.

**Step Four** - Reinsert sample, press and hold the button for 3 seconds to start reaction timer. Reading will be taken automatically and the results displayed.

The HI702, HI7024, and HI747 use an adaptation of the EPA method. The reaction between copper and the bicinchoninate reagent causes a purple tint in the sample.



Pool  
Line

Specifications	HI747 (LR)	HI702 (HR)	HI7024 (HR)
Range	0 to 999 ppb (as Cu <sup>2+</sup> )	0.00 to 5.00 ppm (as Cu <sup>2+</sup> )	0.00 to 5.00 ppm (as Cu <sup>2+</sup> )
Resolution	1 ppb	0.01 ppm	0.01 ppm
Accuracy	±10 ppb ±5% of reading @ 25 °C (77 °F)	±0.05 ppm ±5% of reading @ 25 °C (77 °F)	±0.05 ppm ±5% of reading @ 25 °C (77 °F)
Light Source	Light Emitting Diode @ 575 nm		
Light Detector	Silicon photocell		
Method	Adaptation of the EPA approved method. The reaction between copper and the bicinchoninate reagent causes a purple tint in the sample.		
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		
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	<p><b>HI747</b> Checker®HC is supplied with sample cuvette and cap (2 pcs.), Copper Low Range reagent starter kit (reagents for 6 tests), 1.5V AAA Alkaline battery (1 pc.), and instruction manual.</p> <p><b>HI702</b> and <b>HI7024</b> (Pool Line) Checker®HC are supplied with sample cuvette and cap (2 pcs.), Copper High Range reagent starter kit (reagents for 6 tests), 1.5V AAA Alkaline battery (1 pc.), and instruction manual..</p>		
Reagent Set	<b>HI747-25</b> Reagents for 25 Copper Low Range tests	<b>HI702-25</b> Reagents for 25 Copper High Range tests	<b>HI7024-25</b> Reagents for 25 Copper High Range tests
Calibration Set	<b>HI747-11</b> Copper Low Range certified standard kit	<b>HI702-11</b> Copper High Range certified standard kit	<b>HI7024-11</b> Copper High Range certified standard kit

\* Excluding sample volume error

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