
HI747 · HI702

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

| 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 | |
| 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 ten 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) | |
| Method | adaptation of the EPA method. The reaction between copper and the bicinchoninate reagent causes a purple tint in the sample | |
| Ordering Information | **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.<br>**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. | |
| Reagent Set | **HI747-25** (25 tests) | **HI702-25** (25 tests) |
| Calibration Set | **HI747-11** | **HI702-11** |

See page 10.120 for Checker HC reagents, calibration sets and accessories