

HI700 · HI715 · HI733

## Ammonia Low, Medium, and High Range

### Handheld Colorimeters

- Easier to use and more accurate than chemical test kits
- Dedicated to a single parameter
- 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
  - Quick and accurate on-the-spot analysis
  - Single-button operation: zero and measure
  - Operated by a single 1.5V AAA battery
- Ideal for:
  - Water quality
  - Aquariums
  - Environmental

The HI700, HI715, and HI733 Checker®HC's are simple, accurate, and cost effective ways to measure ranges of ammonia in fresh water.

Designed as a more accurate alternative to chemical test kits, the HI700, HI715, and the HI733\* provides quick, accurate results.

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

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

**Step Three** - Remove sample and add reagents as the manual states.

**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.

\* HI733 uses a different procedure

All three models use an adaptation of the ASTM Manual of Water and Environmental Technology, D1426-92, Nessler method. The reaction between ammonia and reagents causes a yellow tint in the sample.



Specifications	HI700 (LR)	HI715 (MR)	HI733 (HR)
Range	0.00 to 3.00 ppm (as NH <sub>3</sub> -N)	0.00 to 9.99 ppm (as NH <sub>3</sub> -N)	0.0 to 99.9 ppm as NH <sub>4</sub> <sup>+</sup>
Resolution	0.01 ppm	0.01 ppm	0.1 ppm
Accuracy	±0.05 ppm ±5% of reading @ 25 °C (77 °F)	±0.05 ppm ±5% of reading @ 25 °C (77 °F)	±1.0 ppm ±5% of reading @ 25 °C (77 °F)
Light Source	Light Emitting Diode @ 470 nm		
Light Detector	Silicon photocell		
Method	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426-92, Nessler Method. The reaction between ammonia and reagents causes a yellow 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>HI700</b> Checker®HC is supplied with sample cuvette and cap (2 pcs.), Ammonia Low Range reagent starter kit (reagents for 25 tests), 1.5V AAA Alkaline battery (1 pc.), and instruction manual.</p> <p><b>HI715</b> Checker®HC is supplied with sample cuvette and cap (2 pcs.), Ammonia Medium Range reagent starter kit (reagents for 25 tests), 1.5V AAA Alkaline battery (1 pc.), and instruction manual.</p> <p><b>HI733</b> Checker®HC is supplied with sample cuvettes with caps (2), Ammonia High Range reagent starter kit (reagents for 10 tests), 1 mL syringe with tip (1 pc.), Plastic pipette (1 pc.), 1.5V AAA Alkaline battery (1 pc.), and instruction manual.</p>		
Reagent Set	<b>HI700-25</b> Reagents for 25 Ammonia Low Range tests	<b>HI715-25</b> Reagents for 25 Ammonia Medium Range tests	<b>HI733-25</b> Reagents for 20 Ammonia High Range tests
Calibration Set	<b>HI700-11</b> Ammonia Low Range certified standard kit	<b>HI715-11</b> Ammonia Medium Range certified standard kit	<b>HI733-11</b> Ammonia High Range certified standard kit