

# 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
- 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. The all new HI700 Checker HC Ammonia LR for fresh water can be used to replace the usage of of HI3824 or HI38049 fresh water test kits.

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 NH <sub>3</sub> -N	0.00 to 9.99 ppm 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 @ 25°C/77°F	±0.05 ppm ±5% of reading	±0.05 ppm ±5% of reading	±1.0 ppm ±5% of reading
Light Source	LED @ 470 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 ASTM Manual of Water and Environmental Technology D1426-92, Nessler Method. The reaction between ammonia and reagents causes a yellow tint in the sample		
Ordering Information	<p><b>HI700</b> Checker®HC is supplied with sample cuvettes with caps (2), ammonia LR reagent starter kit (reagents for 25 tests), battery, instructions and quick start guide.</p> <p><b>HI715</b> Checker®HC is supplied with sample cuvettes with caps (2), ammonia MR reagent starter kit (reagents for 25 tests), battery, instructions and quick start guide.</p> <p><b>HI733</b> Checker®HC is supplied with sample cuvettes with caps (2), ammonia HR reagent starter kit (reagents for 10 tests), syringe with tip, plastic pipette, battery, instructions and quick start guide.</p>		
Reagent Set	<b>HI700-25</b> (25 tests)	<b>HI715-26</b> (25 tests)	<b>HI733-25</b> (20 tests)
Calibration Set	<b>HI700-11</b>	<b>HI715-11</b>	<b>HI733-11</b>

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