



HI784

## Marine Ammonia

Handheld Colorimeter

- 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:
  - Aquariums
  - Marine biology

Ammonia is a by-product of the Nitrogen cycle. Ammonia is normally removed by nitrifying bacteria, but ammonia levels can rise if there is an imbalance in the tank water chemistry. Excessive ammonia in a marine aquarium increases the risk of inhabitant illness or death.

The HI784 Marine Ammonia Checker®HC is a handheld colorimeter that uses the Beer-Lambert principle to determine the concentration of ammonia colorimetrically. The HI784 is designed specifically to measure ammonia levels in a saltwater aquarium. The 0.00 to 2.50 ppm range is ideal for coral/fish or fish-only aquarium maintenance.



Specifications	HI784
Range	0.00 to 2.50 ppm (mg/L) NH <sub>3</sub>
Resolution	0.01 ppm (mg/L)
Accuracy	±0.05 ppm ±5% of reading @ 25 °C (77 °F)
Light Source	Light Emitting Diode @ 610 nm
Light Detector	Silicon photocell
Method	Adaptation of the Salicylate Method. The reaction between Ammonia and Ammonium and the reagent causes a blue-green tint in the sample.
Environment	0 to 50 °C (32 to 122 °F); max. 95% RH non-condensing Prepared sample cuvette (sample plus reagents) must be 18 to 29 °C (65 to 85 °F)*.
Battery Type	1.5V AAA Alkaline
Auto shut-off	After 20 minutes of non-use and 10 minutes after reading
Dimensions	86.0 x 61.0 x 37.5 mm (3.4 x 2.4 x 1.5")
Weight	64 g (2.3 oz)
<b>Ordering Information</b>	<b>HI784</b> Checker®HC is supplied with Marine Ammonia reagent starter kit (reagents for 10 tests), sample cuvette and cap (2 pcs.), plastic refilling pipette (1 pc.), 1.5V AAA alkaline battery (1 pc.), instruction manual, and quick-reference guide.
<b>Reagent Set</b>	<b>HI784-25</b> Reagents for 25 Marine Ammonia tests
<b>Calibration Set</b>	<b>HI784-11</b> Marine Ammonia certified standard kit

\* Warm or cool prepared cuvettes if needed.