

# Marine Calcium

## Handheld Colorimeter

- Easier to use and more accurate than chemical test kits
  - Zincon method adaptation
  - $\pm 6\%$  of reading
  - 1 ppm resolution
  - Large, easy-to-read digits
  - Auto shut-off
- Dedicated to a single parameter
  - Uses 10 mL glass cuvettes
- 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
  - Use for quick and accurate on-the-spot analysis
  - Single-button operation: zero and measure
  - Operated by a single AAA battery
- Ideal for:
  - Aquaculture
  - Aquariums



Calcium present in water supplies results from passage over deposits of limestone, dolomite, gypsum, and gypsiferous shale. The concentration may extend from 0 to several hundred milligrams per liter, depending on its source and treatment. Calcium is necessary in plant and animal nutrition since it is an essential constituent of bones, shells and plant structures. Calcium in water as carbonate is one of the primary components of water hardness which can cause pipe or tube scaling.

The HI758 Calcium Checker HC is extremely simple to use. First, zero with Reagent A and deionized water. Next, remove the vial and add sample and Reagent B and shake to dissolve. Reinsert into the Checker HC and press the button to read the calcium concentration in ppm on the display.

Weighing a mere 64 g (2.25 oz.), the Checker HC easily fits into your hand or pocket.

The HI731339P is a volumetric pipette designed to measure and transfer exactly 100  $\mu\text{L}$  of solution to a cuvette. To obtain the highest accuracy and precision from the HI758 marine calcium Checker it is necessary to add exactly 100  $\mu\text{L}$  of aquarium saltwater to the cuvette. Any variation will result in an inaccurate reading.



HI758 includes HI731339P 100 $\mu\text{L}$  pipette and 1 mL syringe

Specifications	HI758
Range	200 to 600 ppm
Resolution	1 ppm
Accuracy @25°C (77°F)	$\pm 6$ ppm $\pm 5\%$ of reading
Light Source	LED @ 610 nm
Light Detector	silicon photocell
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Battery Type	1.5V AAA (1)
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 Zincon method
Ordering Information	<b>HI758</b> Checker®HC is supplied with sample cuvettes with caps (2), marine calcium reagent starter kit (reagents for 25 tests), HI731339P 100 $\mu\text{L}$ pipette, syringe with HI731349 tip, plastic pipette, battery, instructions, and quick start guide.
Reagent Set	<b>HI758-26</b> (25 tests)
Calibration Set	<b>HI758-11</b>
Accessories	<b>HI731339P</b> 0.1 mL minipipette <b>HI731349P</b> tips for 0.1 mL minipipette (10)