

NEW

Checker®
handheld colorimeter



ACCURATE

ALKALINITY

MEASUREMENT

for Saltwater Aquariums

Colorimetric Method

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SHOWN ACTUAL SIZE

HANNA®
instruments
With Great Products, Come Great Results™

Checker[®] HI 755

handheld colorimeter

Easier to use and more accurate than chemical test kits

Colorimetric method

Accuracy $\pm 5\%$ of reading ± 5 ppm @ 25°C

1 ppm (mg/L) resolution (300 points)

Large, easy to read digits

Auto shut-off

Dedicated to a single parameter

Designed to work with HANNA's powder reagents

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



SHOWN ACTUAL SIZE

ACCURATE AND AFFORDABLE ALKALINITY MEASUREMENT

Alkalinity is one of the most important parameters to measure in salt water aquaria. It helps maintain a stable pH, an important factor for most aquatic life. In seawater, bicarbonate is by far the largest contributor to alkalinity. Alkalinity is measured instead of bicarbonate levels, which are otherwise quite difficult to determine. Bicarbonate is a critical element, as corals must have a ready supply of carbonate and bicarbonate to form their skeletons. Without an adequate level of alkalinity, therefore, healthy coral growth is not possible. The alkalinity of natural seawater is typically 125 ppm CaCO_3 equivalents (7 dKH). The generally accepted alkalinity range in

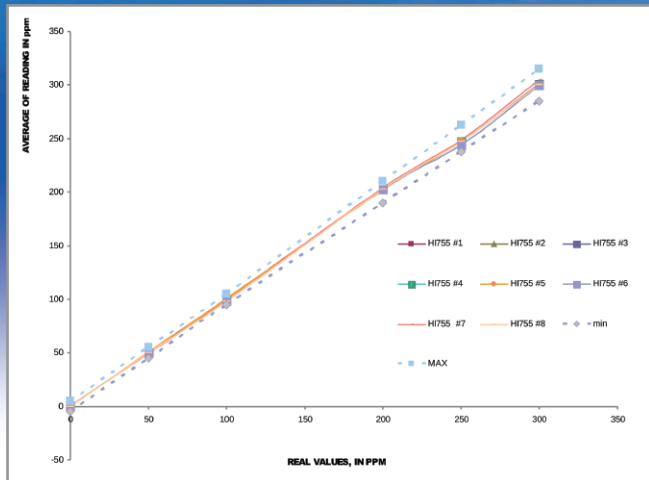
marine aquaria is 125 - 200 ppm CaCO_3 equivalents (7 - 11 dKH). Some corals may benefit from even higher alkalinity levels; however, at high alkalinity, calcium will precipitate out as calcium carbonate, an undesirable outcome.

The HANNA HI 755 Checker[®]HC bridges the gap between simple chemical test kits and professional instrumentation. Chemical test kits are not very accurate and only give 5 to 10 points resolution while professional instrumentation can cost hundreds of dollars and can be time consuming to calibrate and maintain. The HANNA HI 755 Checker[®]HC is accurate and affordable.

This Checker[®]HC features an accuracy of $\pm 5\%$ of reading ± 5 ppm and uses the colorimetric method.

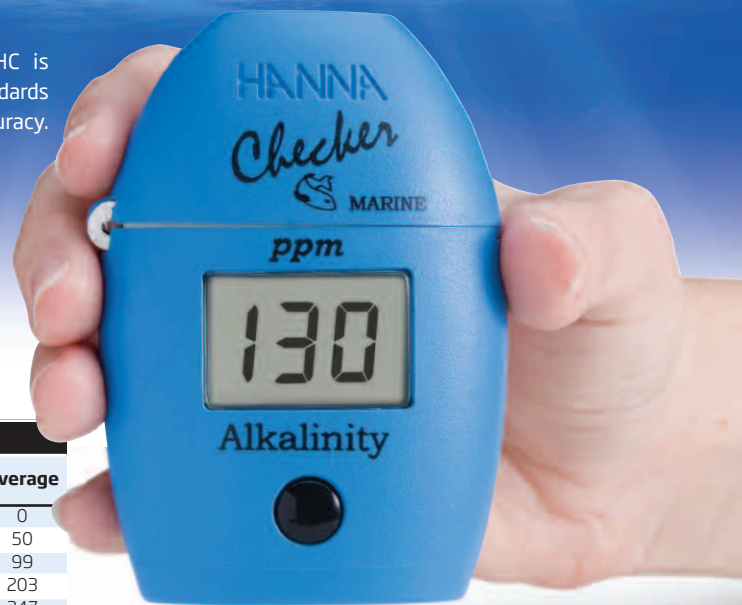
The contoured style of this Checker[®]HC fits in your palm and pocket perfectly and the large LCD is easy to read. The auto shut-off feature assures the battery life will not be drained if you forget to turn it off.

The HI 755 Checker[®]HC is extremely simple to use. After zeroing the instrument with your water sample, add the reagent to the cuvette and shake. Then insert the cuvette into the HI 755 Checker[®]HC and start the timer. Invert the cuvette when prompted and press the button to read the results. It's that easy.



ACCURATE, REPEATABLE RESULTS.

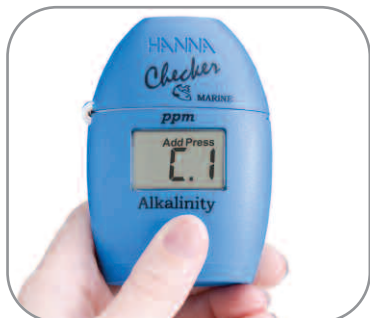
The HANNA Checker®HC is tested against actual standards to assure the highest accuracy.



Actual Standards vs. HI 755 Readings, @ 25°C

Actual Standard Concentration (ppm)	HI 755 #1	HI 755 #2	HI 755 #3	HI 755 #4	HI 755 #5	HI 755 #6	HI 755 #7	HI 755 #8	Average
0	0	0	0	1	0	0	0	0	0
50	50	50	50	50	51	50	50	50	50
100	99	99	99	100	100	99	99	98	99
200	203	203	203	203	202	203	204	203	203
250	247	247	247	247	247	244	248	247	247
300	300	301	301	300	300	300	304	300	301

IT'S EASY TO MEASURE SAMPLES WITH THE CHECKER®HC



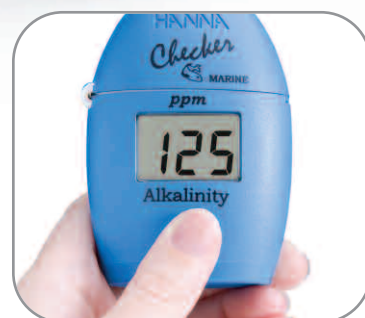
"Zero" the Checker®HC with your unreacted water sample



Add reagent to your water sample, seal the cap and shake for 2 - 2.5 minutes



Insert the cuvette into the Checker®HC, start the timer and invert 3 times when prompted



Press the button and read the results. It's that easy!

HIGH ACCURACY, AFFORDABLE PRICE

Checker[®]
handheld colorimeter

SPECIFICATIONS	HI 755 (Alkalinity)
Range	0 to 300 ppm (mg/L)
Resolution	1 ppm (mg/L)
Accuracy	±5% of reading ±5 ppm @ 25°C
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) 1.5V AAA
Auto-off	After 10 minutes of non-use
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")
Weight	64 g (2.25 oz.)
Method	Colorimetric method

ORDERING INFORMATION

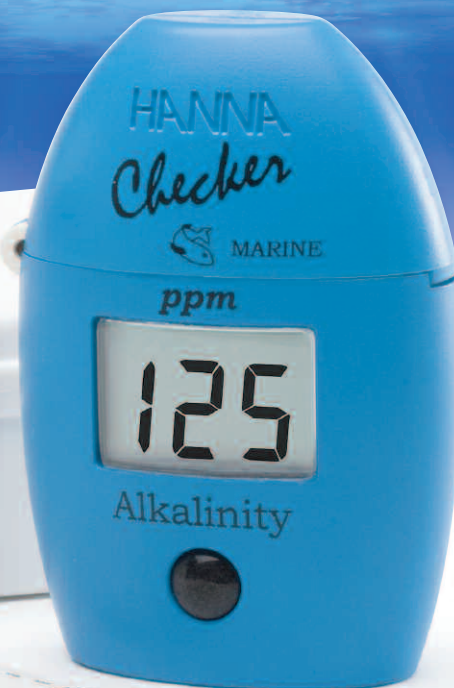
HI 755 Checker[®]HC is supplied with (2) sample cuvettes with caps, (6) powder reagents for alkalinity, (1) 1.5V AAA battery and instructions.

REAGENTS AND STANDARDS

HI 755-25 Reagents for 25 tests (alkalinity)

ACCESSORIES

- HI 731318** (4) Cuvette cleaning cloth
HI 731321 (4) Glass cuvettes
HI 731225 (4) Caps for cuvettes
HI 93703-50 Cuvette cleaning solution, 230 mL



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