

HI 736 • HI 706

Phosphorus Handheld Colorimeters

www.easeongear.com
[click to buy: www.hannameters.com](http://www.hannameters.com)

Plants, algae and phytoplankton require phosphorus for nourishment and utilize phosphorous as a component of cell tissue. When organic matter such as plant tissue, dead fish, algae or uneaten food breaks down aerobically (with oxygen), phosphate is produced and results in rapid oxygen depletion of aquarium water, which in turn suffocates aquatic life and compounds the problem.

Phosphorus concentration in water is monitored because it causes corrosion when present in levels too high.

Both the HANNA HI 736 and HI 706 Checker®HC's bridge the gap between simple chemical test kits and professional instrumentation. The HANNA HI 736 (for marine applications) and HI 706 (for fresh water applications) are both accurate and affordable.

The HI 736 Checker®HC portable handheld colorimeter features a resolution of 1 ppb and ± 5 ppb $\pm 5\%$ of reading accuracy and uses an adaptation of Standard Method Ascorbic Acid.

The HI 736 and HI 706 Checker®HC's are extremely simple to use. First, zero the instrument with your water sample. Next, add the reagents. Last, place the vial into the Checker®HC, press the button and read the results. It's that easy.

ORDERING INFORMATION

HI 736 Checker®HC is supplied with sample cuvettes with caps (2), powder reagents for phosphorus (6), battery and instructions.

HI 706 Checker®HC is supplied with sample cuvettes with caps (2), reagents for 20 tests, battery and instructions.

REAGENTS AND STANDARDS

HI 736-25	Reagents for 25 tests (Phosphorus ULR)
HI 706-25	Reagents for 40 tests (Phosphorus HR)
HI 736-11	Calibration checking set (0 and 100 ppb phosphorus)
HI 706-11	Calibration checking set (0.0 and 7.5 ppm phosphorus)

ACCESSORIES

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



Easier to use and more accurate than chemical test kits

Ascorbic acid method for HI 736, amino acid method for HI 706

HI 736: ± 5 ppb $\pm 5\%$ of reading accuracy

HI 706: ± 0.2 ppm $\pm 5\%$ of reading accuracy

Large, easy to read digits

Auto shut off

Dedicated to a single parameter

Designed to work with HANNA's 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

Ideal for:

Aquaculture

SPECIFICATIONS	HI 736 (Phosphorus ULR)	HI 706 (Phosphorus HR)
Range	0 to 200 ppb	0.0 to 15.0 ppm
Resolution	1 ppb	0.1 ppm
Accuracy @ 25°C/77°F	± 5 ppb $\pm 5\%$ of reading	± 0.2 ppm $\pm 5\%$ of reading
Light Source	LED @ 525 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 two minutes of non-use and ten seconds after reading	
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")	
Weight	64 g (2.25 oz.)	
Method	adaptation of the Standard Methods for the Examination of Water and Wastewater, 20Th edition, Ascorbic Acid method.	adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Amino Acid method