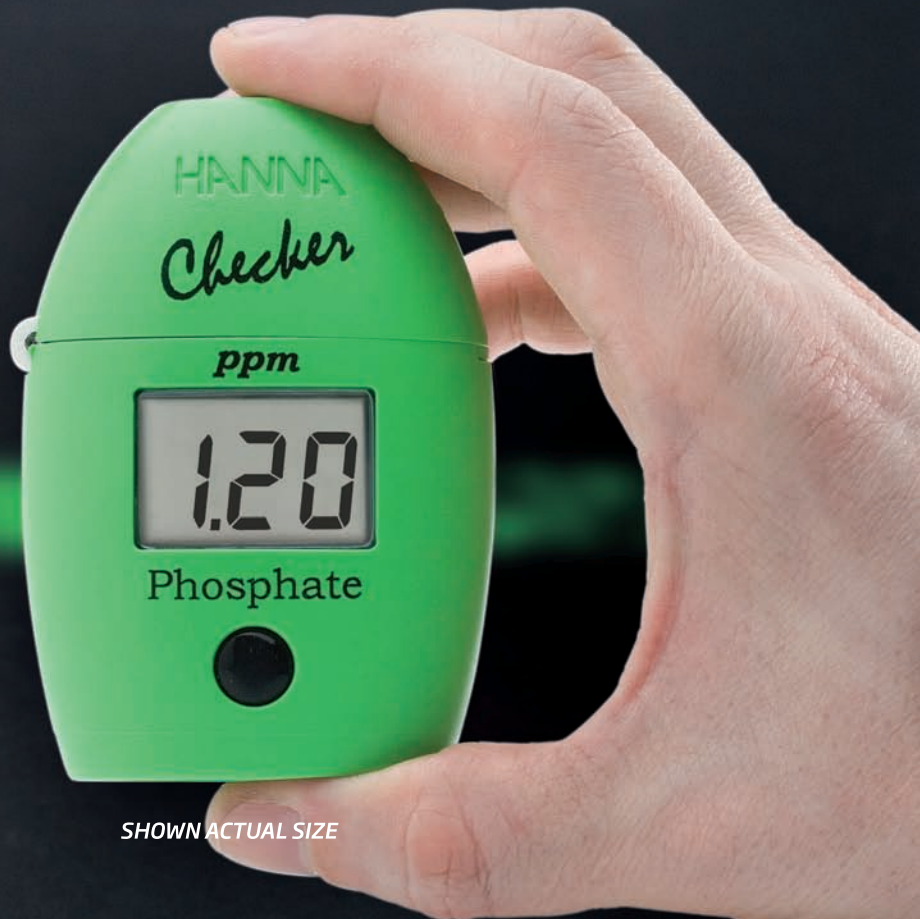


Checker[®]

handheld colorimeter

ACCURATE
PHOSPHATE
MEASUREMENT



SHOWN ACTUAL SIZE

WWW.HANNACHECKER.COM

 **HANNA[®]**
instruments
With Great Products, Come Great Results[™]

Checker[®] handheld colorimeter

Easier to use and more accurate than chemical test kits

Ascorbic acid method for HI 713,
amino acid method for HI 717

HI 713: ± 0.04 ppm $\pm 4\%$ of reading accuracy

HI 717: ± 1.0 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, natural, waste, drinking waters and agriculture



SHOWN ACTUAL SIZE

ACCURATE AND AFFORDABLE PHOSPHATE MEASUREMENT

Orthophosphates are found in natural and wastewaters. They are commonly added to drinking water as a corrosion inhibitor. The instantaneous analysis of orthophosphate by colorimetric determination provides rapid results using a standard analysis technique.

These HANNA HI 713 and HI 717 Checker[®] HC's bridge the gap between simple chemical test kits and professional instrumentation. Chemical test kits are not very accurate and only give only some points resolution while professional instrumentation can cost hundreds of dollars and can be time consuming to calibrate and maintain. The HANNA HI 713 and HI 717 Checker[®]HC's are accurate and affordable.

The HI 713 Checker[®]HC portable handheld colorimeter features a resolution of 0.01 ppm (250 points) and

± 0.04 ppm (mg/L) $\pm 4\%$ of reading accuracy. The HI 713 Checker[®]HC uses an adaptation of Standard Method 4500-PE, Ascorbic Acid method.

The HI 717 Checker[®]HC portable handheld colorimeter features a resolution of 0.1 ppm (300 points) and ± 1.0 ppm (mg/L) $\pm 5\%$ of reading accuracy. The HI 717 Checker[®]HC uses an adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Amino Acid method.

The HI 713 and HI 717 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.

WE DESIGN, MANUFACTURE, SUPPLY AND SUPPORT ALL OF OUR PRODUCTS.

THAT'S 360° VALUE

Over the past 30 years, HANNA has never failed to design fresh and innovative products. The new Checker®HC's are no exception. We are excited to introduce such high accuracy and ease of use in a small, modern design that fits in the palm of your hand.

HANNA is the largest family-owned manufacturer of analytical instrumentation in the world. The new series of Checker®HC's are manufactured in our European state-of-the-art ISO 9001:2000 production facility. Each Checker®HC is CE compliant to EN 61326-1 and EN 61010-1 standards.

When you buy a HANNA product, you're not only buying the best value for your money, but you're also adding the benefit of HANNA's unsurpassed customer service and post-sale technical support.



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



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



Add reagents to your water sample



Place the cuvette into your Checker®HC



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

Checker®
handheld colorimeter

SPECIFICATIONS	HI 713 (Phosphate LR)	HI 717 (Phosphate HR)
Range	0.00 to 2.50 ppm (mg/L)	0.0 to 30.0 ppm (mg/L)
Resolution	0.01 ppm (mg/L)	0.1 ppm (mg/L)
Accuracy @ 25°C/77°F	±0.04 ppm (mg/L) ±4% of reading	±1.0 ppm (mg/L) ±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

ORDERING INFORMATION

HI 713 Checker®HC is supplied with sample cuvettes with caps (2), powder reagents for phosphate (6), battery and instructions.

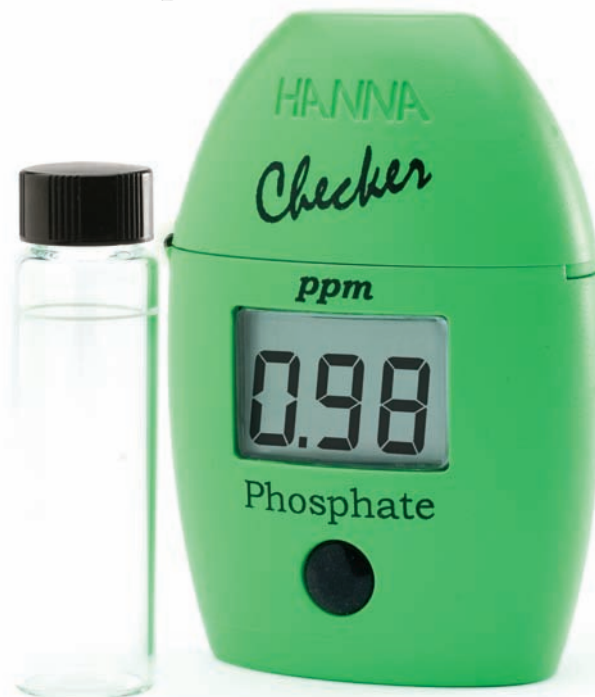
HI 717 Checker®HC is supplied with sample cuvettes with caps (2), reagents for 20 tests, battery and instructions.

REAGENTS AND STANDARDS

- HI 713-25** Reagents for 25 tests (Phosphate LR)
- HI 717-25** Reagents for 40 tests (Phosphate HR)
- HI 713-11** Calibration checking set (0.00 and 1.00 ppm phosphate)
- HI 717-11** Calibration checking set (0.0 and 15.0 ppm phosphate)

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



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See our full line of HANNA Checker®HC's at:

WWW.HANNACHECKER.COM

HANNA®
instruments
With Great Products, Come Great Results™