

Checker[®]
handheld colorimeter

NEW

FERROUS

IRON

MEASUREMENT



SHOWN ACTUAL SIZE

Adaptation of Standard Method
3500-Fe B

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

Checker[®] HC

handheld colorimeter

Easier to use and more accurate than chemical test kits

Phenanthroline method

Accuracy $\pm 2\%$ of reading ± 0.04 ppm (mg/L)

0.01 ppm (mg/L) resolution (500 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

Ideal for

Industrial, ground and treated waters, mining leachate monitoring and agricultural irrigation water



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ACCURATE AND AFFORDABLE IRON MEASUREMENT

About 6.3% of the earth's crust is made of iron, of which 43% is in soils. The analysis of iron is often performed to monitor ground water and irrigation waters as a gauge of corrosion from industrial settling, and as an indication of the effectiveness of treatment from mining leachate.

The HANNA HI 721 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 721 Checker[®]HC is accurate *and* affordable with immediate results.

The new HI 721 Checker[®]HC portable handheld colorimeter features a resolution of 0.01 ppm (500 points) and $\pm 2\%$ of reading ± 0.04 ppm accuracy. The HI 721 Checker[®]HC uses an adaptation of Standard Method 3500-Fe B.

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 721 Checker[®]HC is extremely simple to use. First, zero the instrument with your water sample. Next, add the reagent. Last, Place the vial into the HI 721 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 reagent to your water sample



Place the vial into your Checker®HC



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

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handheld colorimeter

SPECIFICATIONS	HI 721 (Iron)
Range	0.00 to 5.00 ppm (mg/L)
Resolution	0.01 ppm (mg/L)
Precision	2% of reading \pm 0.04 ppm (mg/L) @ 25°C
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 2 minutes of non-use and after read
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 Standard Method 3500-Fe B.

ORDERING INFORMATION

HI 721 Checker[®]HC is supplied with (2) sample cuvettes with caps, (6) powder reagents for iron, (1) 1.5V AAA battery and instructions.

Total Chlorine (HI 711), **Free Chlorine** (HI 701), **Iodine** (HI 718), and **Phosphate** (HI 713) Checker[®]HC's also available

REAGENTS AND STANDARDS

HI 721-25 Reagents for 25 tests (iron)

ACCESSORIES

HI 731318 (4) Cuvette cleaning cloth

HI 731331 (4) Glass cuvettes

HI 731353 (4) Caps for cuvettes

HI 93703-50 Cuvette cleaning solution, 230 mL



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