

Checker<sup>®</sup>  
handheld colorimeter

FERROUS

IRON

MEASUREMENT



SHOWN ACTUAL SIZE

 **HANNA<sup>®</sup>**  
instruments  
With Great Products, Come Great Results™

# Checker<sup>®</sup> handheld colorimeter

## Easier to use and more accurate than chemical test kits

Phenanthroline method

Accuracy  $\pm 2\%$  of reading  $\pm 0.04$  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<sup>®</sup>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<sup>®</sup>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<sup>®</sup>HC is accurate *and* affordable with immediate results.

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

The contoured style of this Checker<sup>®</sup>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<sup>®</sup>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<sup>®</sup>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.

With an introductory price of \$39.50, our Checker®HC's are a great value.

**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!

Checker<sup>®</sup>  
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<sup>®</sup>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<sup>®</sup>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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