Checker® HC

handheld colorimeter

FERROUS

IRON

MEASUREMENT



SHOWN ACTUAL SIZE

HANNA® instruments

With Great Products, Come Great Results™

www.HANNACHECKER.com

Checker®HC handheld colorimeter



SHOWN ACTUAL SIZE

Easier to use and more accurate than chemical test kits

- Phenanthroline method
- ±0.04 ppm ±2% of reading accuracy
- 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
- One 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



ACCURATE AND AFFORDABLE IRON MEASUREMENT

About 6.3% of the earths 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 ±0.04 ppm ±2% of reading accuracy. The HI 721 Checker®HC uses an adaptation of Standard Method 315 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 cuvette into your Checker®HC



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

Checker®HC handheld colorimeter

SPECIFICATIONS	HI 721 (Iron)
Range	0.00 to 5.00 ppm (mg/L)
Resolution	0.01 ppm (mg/L)
Accuracy @ 25°C/77°F	±0.04 ppm ±2% 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	1.5V AAA
Auto-off	after three 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 EPA Phenantroline method 315 B, for natural and treated waters.

ORDERING INFORMATION

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

REAGENTS AND STANDARDS

HI 721-25 Reagents for 25 tests (iron)
HI 721-11 Calibration checking set 0.00 and 1.00 ppm (iron)

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



SHOWN ACTUAL SIZE

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

www.HANNACHECKER.com

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