

HI 721

Iron Handheld Colorimeter

www.easeongear.com

click to buy: www.hannameters.com

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 ± 0.04 ppm $\pm 2\%$ 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.



Easier to use and more accurate than chemical test kits

Phenanthroline method
 ± 0.04 ppm $\pm 2\%$ 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

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

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 $\pm 2\%$ 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) 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 Phenanthroline method 315 B, for natural and treated waters.