

HI721 Iron

Handheld Colorimeter

- Easier to use and more accurate than chemical test kits
- Dedicated to a single parameter
- Small size, big convenience
- Ideal for:
 - Industrial ground and treated waters
 - Mining leachate monitoring
 - Agricultural irrigation water

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 HI721 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 HI721 Checker®HC is accurate, affordable and produces immediate results.

The new HI721 Checker®HC portable handheld colorimeter features a resolution of 0.01 ppm and $\pm 0.04 \text{ ppm} \pm 2\%$ of reading accuracy. The HI721 Checker®HC uses an adaptation of EPA phenanthroline Method 315B.

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.



| Specifications | HI721 |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range | 0.00 to 5.00 ppm |
| Resolution | 0.01 ppm |
| Accuracy @ 25°C/77°F | $\pm 0.04 \text{ ppm} \pm 2\%$ 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 two minutes of non-use |
| 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 315B, for natural and treated waters |
| Ordering Information | HI721 Checker®HC is supplied with sample cuvettes with caps (2), iron HR reagent starter kit (reagents for 6 tests), battery, instructions and quick start guide. |

See a list of Checker® reagents and accessories on page 1.24