

# Free and Total Chlorine Handheld Colorimeters

Checker<sup>HC</sup>  
handheld colorimeter



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

- EPA approved DPD method
- ±0.03 ppm ±3% of reading accuracy
- 0.01 ppm resolution (250 points for free chlorine, 350 for total chlorine)
- 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

- The Checker<sup>HC</sup> 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:

- Swimming pools and spas, fruit and vegetable sanitation, disinfection, drinking water and quality control checks

Chlorine is the most common water disinfectant. The monitoring of chlorine is crucial in applications such as swimming pools and spas, fruit and vegetable sanitation, disinfection and drinking water. By monitoring this crucial parameter, serious health and safety risks can be avoided.

The HANNA HI 711 and HI 701 Checker<sup>HC</sup>s bridge 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 711 and HI 701 Checker<sup>HC</sup>s are accurate and affordable.

These Checker<sup>HC</sup> portable handheld colorimeters feature a resolution of 0.01 ppm (250 points for free chlorine, 350 for total chlorine) and ±0.03 ppm (mg/L) ±3% of reading accuracy. They also use an EPA approved DPD method.

The contoured style of these Checker<sup>HC</sup>s fit 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 711 and HI 701 Checker<sup>HC</sup>s are extremely simple to use. First, zero the instrument with your water sample. Next, add the reagent. Last, place the vial into the Checker<sup>HC</sup>, press the button and read the results. It's that easy.

## ORDERING INFORMATION

HI 711 Checker<sup>HC</sup> is supplied with sample cuvettes with caps (2), powder reagents for Total Chlorine (6), battery and instructions.

HI 701 Checker<sup>HC</sup> is supplied with sample cuvettes with caps (2), powder reagents for Free Chlorine (6), battery and instructions.

## REAGENTS AND STANDARDS

- |           |  |
|-----------|--|
| HI 711-25 | Reagents for 25 tests (Total Cl <sub>2</sub> )                         |
| HI 701-25 | Reagents for 25 tests (Free Cl <sub>2</sub> )                          |
| HI 711-11 | Calibration checking set<br>0.00 and 1.00 ppm (Total Cl <sub>2</sub> ) |
| HI 701-11 | Calibration checking set<br>0.00 and 1.00 ppm (Free Cl <sub>2</sub> )  |

## 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 711 (Total Chlorine)	HI 701 (Free Chlorine)
Range	0.00 to 3.50 ppm (mg/L)	0.00 to 2.50 ppm (mg/L)
Resolution	0.01 ppm (mg/L)	
Accuracy @ 25°C/77°F	±0.03 ppm ±3% 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 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 USEPA method 330.5, DPD method	