

Checker<sup>hc</sup>  
handheld colorimeter

DIGITAL PHOTOMETERS  
FOR AQUARIUMS



 **HANNA**<sup>®</sup>  
instruments

Ensure your marine life & aquariums are in great condition with a helping hand from a Hanna Checker<sup>®</sup>. The Hanna Checker<sup>®</sup>HC Series bridges the gap between simple chemical test kits and professional instrumentation.

### The benefits of choosing a Hanna Checker<sup>®</sup>HC:

- Dedicated to a single parameter
- Affordable, quick and easy testing
- Single-button operation
- High precision results - more accurate than chemical test kits
- Supplied with 2 sample cuvettes and caps
- Clear to read large Liquid Crystal Display screen (LCD)
- Fully portable, fitting easily into both palm and pocket
- Starter pack of reagents included
- 1 x 1.5 AAA battery supplied
- Auto shut-off feature means the Checker cannot be left on by mistake



## CHOOSE YOUR CHECKER BY PARAMETER



**HI-755 Alkalinity: Marine - ppm** Ideal for salt water aquariums and coral reef tanks, alkalinity helps to maintain a stable pH, a vital factor for most aquatic life. Corals also need an adequate level of alkalinity in order to remain healthy. With regular monitoring, fluctuations in pH can be corrected quickly, giving fish and corals every chance of a thriving environment. Checker range: 0 to 300 ppm  $\text{CaCO}_3$ .

**HI-775 Alkalinity: Fresh Water - ppm** Freshwater fish need an alkaline environment to flourish, especially Gouramis and Tetras. Water pH should be kept between 6.8 and 7.8 for optimum health of both fish and plant life (carbonate levels above 80 ppm). Regular testing with this Checker will determine carbonate levels between 0 & 500 ppm  $\text{CaCO}_3$ .



**HI-772 Alkalinity: Marine - dKH** Ideal for salt water aquariums & coral reef tanks, alkalinity helps to maintain a stable pH, a vital factor for most aquatic life. Corals also need an adequate level of alkalinity to remain healthy. With regular monitoring, fluctuations in pH can be corrected quickly, giving fish and corals every chance of a thriving environment. Checker range: 0.0 to 20.0 dKH.

**HI-700 Ammonia: Low Range - ppm** Newly set up tanks become susceptible to ammonia poisoning. The invisible fish killer can be alleviated by simply doing regular water changes, reducing feeds, and neutralizing ammonia with chemicals, while monitoring daily with a Checker until ammonia levels ideally reach zero or below 1 ppm. Checker range: 0.00 to 3.00 ppm  $\text{NH}_3\text{-N}$ .





**HI-758 Calcium: Marine - ppm** Suitable for coral reef tanks and aquaculture aquariums, optimum conditions for successful coral growth can be monitored and maintained with this checker. Corals use calcium to form their skeletons, drawing much of the calcium from the water therefore depleting levels quickly in marine tanks, especially if corals are rapid-growers. Ideal levels should be above 360 ppm. Checker range: 200 to 600 ppm.

**HI-701 Chlorine: Free - ppm** Chlorine is the most commonly used tap water disinfectant, however, it is deadly to fish and other aquatic life and should be eliminated in order to maintain a healthy tank. Alongside recommended dechlorinators, using a Checker can help to make sure your tank reads zero even after water changes. Checker range: 0.00 to 2.50 ppm.



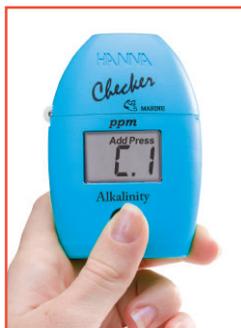
**HI-711 Chlorine: Total - ppm** Making sure your tank is free from total chlorine is made easy with the help of Hanna Checker. With a range of 0.00 to 3.50 ppm, a zero reading for optimum fish and plant health is easy to determine and maintain thanks to the Checker working alongside recommended dechlorinators.

**HI-718 Iodine - ppm** Coral reef and salt water aquariums need iodine for the optimum health of fish, invertebrates and corals. Anything above natural sea water (average 0.06 ppm) can be toxic. Iodine is a critical element for fish cellular & thyroid function, hormone balance & metabolism. It aids synthesis of pigments in corals. Freshwater shrimps, crabs and crayfish benefit as it helps them to molt and form new exoskeletons. Checker range: 0.0 to 12.5 ppm.



**HI-721 Iron - ppm** Iron is an important micronutrient to all aquatic life, however, it is toxic in large amounts. Monitoring is important to make sure your fish and plants have just the right amount – recommended level 0.1 ppm. Check any metal fixings in and around your tank for rust as this can raise the iron level in your tank very quickly. Iron can also cause algae to flourish causing acidity levels to rise. Checker range: 0.00 to 5.00 ppm.

## FOUR STEPS. ONE CLICK. INSTANT READOUT.



'Zero' the Checker®HC with your vial inside



Place a 10ml water sample into the vial and add your reagent



Place your vial into your Checker®HC



Press the button and read the results



**HI-764 Nitrite: Marine - ppb** Hanna's nitrite Checker gives an accurate digital readout for the lowest of nitrite levels in coral reef tanks, salt water aquariums and fresh water tanks. Nitrite can lead to tissue damage, illness and death in aquatic life, so regular checks can help aquarists prevent the unnecessary suffering to fish. Measuring 0 to 200 ppb  $\text{NO}_2\text{-N}$ , minute amounts of nitrite-nitrogen (up to 0.2 ppm) can be detected early using this Checker.

**HI-707 Nitrite: Low Range - ppb** Measuring 0 to 600 ppb  $\text{NO}_2\text{-N}$ . Suitable for use in fresh water, coral reef and salt water aquariums where nitrite measurements are expected to be below 0.6 ppm. Nitrite can lead to tissue damage, illness and death in aquatic life, so regular checks can help aquarists to identify rising nitrite levels before fish begin to suffer. Uses an adaptation of the EPA Diazotization method 354.1.



**HI-708 Nitrite: High Range - ppm** Measuring 0 to 150 ppm  $\text{NO}_2\text{-N}$  using an adaptation of the ferrous sulphate method. This Checker is useful for initial measurements of nitrite when trying to establish good ammonia/nitrite/nitrate control. Suitable for coral reef tanks, salt water aquariums and fresh water tanks, the ultimate aim is to decrease nitrite levels so the low range or ultra-low nitrite Checker can be used for optimum tank health.

**HI-713 Phosphate: Low Range - ppm** Phosphate naturally occurs as waste decomposes in coral reef tanks, salt & fresh water aquariums. While it does not directly harm fish when levels are high, resulting green algae growth can deplete the oxygen levels in the water. Corals can lose their colour due to the effects of brown algae. Ideally, phosphate levels should be kept below 0.05 ppm. Checker range: 0.00 to 2.50 ppm.



**HI-717 Phosphate: High Range - ppm** If you have algae growth in your coral reef tanks or salt & fresh water aquariums then choose the high range checker to determine levels before embarking on an appropriate deterrent. When an adequate level is reached (recommended below 0.05 ppm) then the low range Checker can be used (see HI-713 above). Checker range: 0.0 to 30.0 ppm.

**HI-736 Phosphorus - ppb** Ideal for use with coral reef tanks and salt water aquariums. While tiny amounts of phosphorus are needed to sustain life in the tank, more phosphorus (as phosphate) is introduced through feed, decaying plants, animal waste, and even tap water. Too much can deplete oxygen levels, encourage growth of unwanted algae types and inhibit the calcification by corals and coralline algae. Checker range: 0 to 200 ppb.



**Your local stocklist:**