

AQUARIUM & POND RANGE



Meters & Monitors for effective,
accurate aquarium & pond testing

Maintaining good water quality is the key to happy and healthy marine life and fish.

Great water quality is the key to keeping healthy fish and marine life. There's plenty more to your water beyond what you can see with your own eyes.

Why choose Hanna Instruments?

Hanna Instruments' Checkers, testers and monitors are the ideal step up from strip testing, providing improved accuracy and removing the guess work from your measurements. Helping you to record accurate results to track any trends and changes in your pond or aquarium allows you to get ahead of any potential problems before they arise. No need for an eye test to decipher your test results against a colour wheel or chart – just clear readings every time.

Checkers are a great choice for accurate, consistent measurements in the palm of your hand. You can get testing in 4 simple steps:

01



'Zero' the Checker®HC with your cuvette containing your water sample inside.

02



Add your reagent to the 10ml sample in your cuvette.

03



Place your vial into your Checker®HC.

04



Press the button and read your results.

Want to take aquarium and pond care up a notch?

Our multiparameter photometers and testers give you all the power of Hanna Instruments accuracy in one package. Find out more about our advanced water care instrumentation starting on page 12.

Alkalinity & pH

Alkalinity and pH are essential parameters to maintain proper balance in your water. Careful monitoring helps you make appropriate adjustments to ensure your water remains safe and healthy for your aquarium or pond's inhabitants. Marine life such as Coral are susceptible to changes in pH and alkalinity.



HI-775 Alkalinity Checker

Freshwater

Measurement range 0-500 ppm CaCO_3 . The HI-775 is the perfect choice for freshwater ponds and tanks, providing valuable information for consistent pH management. 25 reagents are included with the HI-775.

Consumables:

HI-775-26 for reagents | HI-775-11 for Calibration Set



HI-755 Alkalinity Checker

Marine

Measurement range 0-300 ppm CaCO_3 . Our HI-755 Checker provides the measurements you need to dose your tank for balanced pH, so your aquatic life can thrive. Corals, in particular, require a specific level of alkalinity for health, requiring regular monitoring. 25 reagents are included.

Consumables:

HI-755-26 for reagents | HI-755-11 for Calibration Set



HI-772 Alkalinity Checker

Marine

Measurement range 0.0-20.0 dKH. Ideal for salt-water aquariums and coral reef tanks, the HI-772 provides an alternative to ppm measurements with alkalinity in degree of calcium hardness, or dKH. 25 reagents are included with the HI-772.

Consumables:

HI-772-26 for reagents | HI-772-11 for Calibration Set



HI-780 pH Checker

Marine

Measurement range between 6.3-8.6 pH. The HI-780 measures the hydrogen ion concentration within your tank, helping you monitor your pH. This accurate measurement provides insight into pH in water, enabling you to dose to achieve between 6-8 on the pH scale. A reagent bottle for 100 tests is included with the HI-780.

Consumables:

HI-780-25 for reagents | HI-780-11 for Calibration Set

Free & Total Chlorine

Chlorine is commonly used in water treatment, making it a constant presence in household tap water. Keeping chlorine as close to zero as possible and monitoring levels is vital for healthy freshwater and marine life.



HI-701 Free Chlorine Checker

Freshwater & Marine

Measurement range 0.00-2.50 ppm. Our HI-701 Checker provides a clear reading of the amount of Free Chlorine in water, enabling you to effectively de-chlorinate for optimal safety to ensure your tank is as habitable as possible for your plants, fish and other marine life. 6 reagents are included with the HI-701.

Consumables:

HI-701-25 for reagents | HI-701-11 for Calibration Set



HI-711 Total Chlorine Checker

Freshwater & Marine

Measurement range 0.00-3.50 ppm. Our pocket-sized Checker makes keeping your tank free from total chlorine easy with fast, convenient measurements. Using the HI-711 alongside de-chlorinators provides peace of mind for the health of your fish and marine life. 6 reagents are included with the HI-711.

Consumables:

HI-711-25 for reagents | HI-711-11 for Calibration Set



HI-761 ULR Total Chlorine Checker

Freshwater & Marine

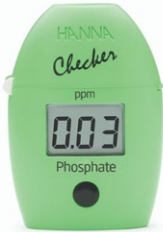
Measurement range 0-500 ppb. Accurate measurements make for easy de-chlorination. The HI-761 uses a variation of the US EPA method 330.5 for exceptionally accurate measurements, causing a pink tint when DPD reagents and chlorine come into contact to provide clear results. 6 reagents are included with the HI-761.

Consumables:

HI-761-25 for reagents | HI-761-11 for Calibration Set

Phosphate & Phosphorus

Phosphate and phosphorus naturally occur in freshwater and marine water as plant life and other forms of waste decompose. Monitoring phosphate and phosphorus helps to avoid the growth of algae.



HI-713 Phosphate Checker

Freshwater & Marine

Measurement range 0.0-2.50 ppm. The HI-713 Checker helps you to monitor the amount of phosphate within your water as it naturally builds over time. 6 reagents are included.

Consumables:

HI-713-25 for reagents | HI-713-11 for Calibration Set



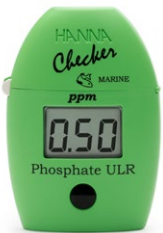
HI-717 Phosphate Checker

Marine

Measurement range 0.0-30.0 ppm. Algae growth within a coral reef tank can suggest your phosphate levels are on the higher side. A high-range phosphate Checker like the HI-717 covers a broader range, providing measurements to help you to keep your tank on track. 20 reagents are included with the HI-717.

Consumables:

HI-717-25 for reagents | HI-717-11 for Calibration Set



HI-774 Phosphate Checker

Freshwater & Marine

Measurement range 0.0-0.90 ppm. If pinpoint accuracy is your goal, the ultra-low range HI-774 Checker is ideal. Keeping phosphate to a specific level can ensure your tank remains healthy. 10 reagents are included.

Consumables:

HI-774-25 for reagents | HI-774-11 for Calibration Set



HI-736 Phosphorous Checker

Marine

Measurement range 0-200 ppt. The HI-736 Checker helps you identify phosphorus increases, allowing for swift action to prevent calcification and depletion in oxygen levels. 6 reagents are included with the HI-717.

Consumables:

HI-736-25 for reagents | HI-736-11 for Calibration Set

Nitrate

Marine and freshwater can both benefit from nitrate monitoring to ensure the levels in the water are safe. High nitrate leads to algae growth and can cause drops in pH, making careful monitoring important to react quickly to sudden increases.



HI-781 Nitrate Checker

Marine

Measurement range 0.00-5.00 ppm. Using the HI-781 Checker can help you to prevent harm to delicate corals and invertebrates in your reef or marine tank with excellent precision and reliable results, providing accurate information you can use for day-to-day maintenance. 50 reagents are included.

Consumables:

HI-781-25 for reagents | HI-781-11 for Calibration Set



HI-782 Nitrate Checker

Marine

Measurement range 0.0-75.0 ppm. The HI-782 Checker uses the Zinc reduction method, requiring no filter, to accurately measure nitrate concentration in marine tanks. Proper instrumentation makes it effortless to track nitrate levels. 10 reagents are included with the HI-782.

Consumables:

HI-782-25 for reagents | HI-782-11 for Calibration Set

Need to order reagents?

Hanna Instruments Checkers use high-quality reagents for testing, providing consistently accurate measurements every single time. All Checkers come with a set number of reagents in a starter kit, allowing you to conduct immediate testing in your aquarium or pond.

Once you run low, you can order reagents and calibration sets for our range from your local stockist. See our consumable codes below each Checker to order the correct consumables for your product, or quote the part number to your stockist directly.

Nitrite

Keeping tabs on the amount of nitrite in your tank is ideal to help you provide a healthy environment for both fish and plant life in aquariums and ponds. Marine and freshwater environments benefit from continual monitoring, allowing for fast response to changes in nitrite levels.



HI-707 Nitrite Checker

Freshwater & Marine

Measurement range 0-600 ppb $\text{NO}_2\text{-N}$. The low-range HI-707 Checker is the ideal tester for aquaculture. This Checker adapts the EPA Diazotisation method 354.1 allowing you to measure nitrite in water swiftly. 6 reagents are included with the HI-707.

Consumables:

HI-707-25 for reagents | HI-707-11 for Calibration Set



HI-708 Nitrite Checker

Freshwater & Marine

Measurement range 0-150 ppb $\text{NO}_2\text{-N}$. The HI-708 Nitrite Checker is a strong starting point for monitoring nitrite in higher-level tanks, with the ultimate goal of helping you to reduce down to ultra-low or low nitrite Checkers over time. 6 reagents are included with the HI-708.

Consumables:

HI-708-25 for reagents | HI-708-11 for Calibration Set



HI-764 Nitrite Checker

Freshwater & Marine

Measurement range 0-200 ppb $\text{NO}_2\text{-N}$. The HI-762 Checker provides a clear and effective way to see minimal nitrite levels. With minute amounts of nitrite detected through this ultra-low range checker, you can take action to prevent the harm of fish. 6 reagents are included with the HI-764.

Consumables:

HI-764-25 for reagents | HI-764-11 for Calibration Set

Copper & Iron

Both copper and iron can be present in the both marine and freshwater. Checking your copper and iron levels can alert you to any sudden changes that need to be resolved as quickly as possible for healthy plant and fish life.



HI-702 Copper Checker

Freshwater & Marine

Measurement range 0-5.0 ppm. High amounts of copper in your water require effective monitoring for controlled dosing. The HI-702 Checker adapts the EPA method, measuring the reaction between the bicinchoninate reagent and copper within the water. 6 reagents are included with the HI-702.

Consumables:

HI-702-25 for reagents | HI-702-11 for Calibration Set



HI-747 Copper Checker

Freshwater & Marine

Measurement range 0 to 999 ppb. The low-range HI-747 Checker provides clear information about the amount of copper found in both marine and freshwater environments. The HI-747 uses the same method as the HI-702 to achieve consistently accurate results. 6 reagents are included with the HI-702.

Consumables:

HI-747-25 for reagents | HI-747-11 for Calibration Set



HI-721 Iron Checker

Freshwater & Marine

Measurement range 0.00-5.00 ppm. The HI-721 allows you to accurately monitor iron consistently, providing the vital information necessary to prevent algae growth and ensure iron is kept within a range of around 0.1 ppm with proper adjustments. 6 reagents are included with the HI-721.

Consumables:

HI-721-25 for reagents | HI-721-11 for Calibration Set

Silica, Iodine & Calcium

Silica, iodine and calcium are all important in moderation for the health of your tank or pond and its inhabitants. Using Checkers can ensure all of your parameters are in the correct ranges, helping life to thrive with happy fish and plants whether your water is marine or freshwater.



HI-770 Silica Checker

Freshwater & Marine

Measurement range 0-200 ppm. Soluble silica molecules are important to aquaculture. Silica also improves the health and growth of organisms such as sponges & molluscs. Ideal for all types of water. The Checker comes with 6 reagents.

Consumables:

HI-770-25 for reagents | HI-770-11 for Calibration Set



HI-718 Iodine Checker

Freshwater

Measurement range 0-12.5 ppm. The proper iodine levels in freshwater can help to keep everything healthy, particularly for invertebrates. The HI-718 Checker allows you to swiftly monitor iodine in your water to help you keep this parameter within the safest levels. 6 reagents are included with the HI-718.

Consumables:

HI-718-25 for reagents | HI-718-11 for Calibration Set



HI-758 Calcium Checker

Marine

Measurement range 200-600 ppm. Coral growth is directly affected by the amount of calcium in the water, making careful monitoring essential for long-term growth and health. The HI-758 Checker provides the reliable testing you need to check that levels remain above 360 ppm. 25 reagents are included with the HI-758.

Consumables:

HI-758-25 for reagents | HI-758-11 for Calibration Set

Ammonia & Magnesium

Accurate testing helps you to ensure your aquatic environment is safe for fish and plant life, allowing you to respond quickly to increasing ammonia levels.

Magnesium requires careful balance in marine tanks.



HI-700 Ammonia Checker

Freshwater

Measurement range 0.00–3.00 ppm. The HI-700 Checker for freshwater is an ideal addition to your testing kit to monitor ammonia levels, which can be a concern in aquariums and ponds. Keeping track of ammonia across a low range makes it easier to take action if ammonia increases. 25 reagents are included.

Consumables:

HI-700-25 for reagents | HI-700-11 for Calibration Set



HI-784 Ammonia Checker

Marine

Measurement range 0–2.5 ppm. Monitoring ammonia in reef and marine tanks during initial setup is vital to avoid potential toxicity. The HI-784 provides a clear insight into the ammonia levels in your tank, allowing for a fast response to prevent toxic increases. 10 reagents are included.

Consumables:

HI-784-25 for reagents | HI-784-11 for Calibration Set



HI-783 Magnesium Checker

Marine

Measurement range 1000–1800 ppm. Monitoring magnesium provides insight that helps you balance alkalinity and calcium in water, ensuring good tank health. Mimicking the natural seawater habitat, with magnesium between 1,280–1,350 ppm, is vital for marine tanks. 25 reagents are included with the HI-783.

Consumables:

HI-783-25 for reagents | HI-783-11 for Calibration Set

Marine Testing

Hanna Instruments are the experts at all levels of aquarium care for marine aquaculture. Get everything you need for your marine testing in an all-in-one kit for optimal health within your saltwater tank set-ups.



HI-98319 Salinity Tester

Marine

Our highly accurate marine salinity and temperature tester is the ideal addition to your water testing kit. With three different options for salinity readout, parts per thousand (ppt), Practical Salinity Units (PSU), or Specific Gravity (SG), you can gain insight into the salinity of your water in seconds for optimal health. 4 x 20mL calibration solution sachets are included with the HI-98319.

Consumables:

HI-70024P for calibration solution

HI-REEFKIT Marine Testing Kit

Marine

Our complete kit includes everything you need for classic marine aquaculture monitoring in one package. Giving you the insight you require in order to keep your tank in optimal condition and providing the necessary aquatic environment for coral, tropical fish and invertebrates. The HI-772 Alkaline Checker, HI-758 Calcium Checker, HI-774 Phosphate Checker and HI-98319 Salinity Tester are all included, alongside a set of calibration solutions, reagents and distilled water ready for testing.

- Salinity
- Alkalinity
- Phosphate
- Calcium



Multiparameter Testing

Aquaculture parameters include Alkalinity, Calcium, Nitrite, and Phosphate which are critical to maintaining a healthy system. Now you can test for these plus parameters specific to either a marine or freshwater environment all in one meter.

HI-83303-02 Aquaculture Multiparameter Photometer

Freshwater & Marine

The HI-83303-02 covers 12 individual water parameters across 20 programmed methods, providing the ideal testing for both marine and freshwater. An optional pH electrode adds additional functionality to test multiple parameters in one handy device.

- Alkalinity
- Ammonia (Freshwater only)
- Calcium
- Free Chlorine (Freshwater only)
- Total Chlorine
- Copper (Freshwater only)
- Nitrate (Freshwater only)
- Nitrite
- Dissolved Oxygen
- Phosphate
- pH



HI-83303K Multiparameter Kit

Also available as a kit complete with all reagents in a case, which includes:

- 1 x HI-83303-02 multiparameter photometer
- 1 x HI-93700-01 ammonia tests x 100
- 1 x HI-93732-01 dissolved oxygen tests x 100
- 1 x HI-93710-01 pH tests x 100
- 1 x SP-93728-01 nitrate tests x 50
- 1 x SP-93707-01 nitrite low range x 50
- 1 x HI-740222N blue carrying case

HI-97105 Marine Multiparameter Photometer

Marine

Measure all the necessary parameters for marine tanks with the HI-97105 Marine Master, an ideal all-in-one solution for testing marine water. This photometer's compact nature and robust design make it easy to use for single and multiple-tank set-ups. An IP67 waterproof rating makes our photometer the ideal option around saltwater tanks of all shapes and sizes.



- Alkalinity
- Ammonia
- Calcium
- Phosphate
- pH
- Magnesium
- Nitrite

HI-97105C Complete Kit ►

HI-97105 can be supplied as a complete kit containing everything needed to start testing. The kit contains:

- HI-97105 photometer in carry case c/w 2 Cuvettes, pipettes and batteries.
- Reagents* to perform 25 tests are also included for:

Alkalinity, Calcium, Nitrate, Nitrite and Phosphate.

** Please note: this kit contains reagents for the most commonly tested parameters, but not for every parameter the marine master can test for. Please check your testing requirements are covered before ordering.*



HI-97115 Marine Master Multiparameter photometer with Bluetooth

Marine

The Bluetooth HI-97115 Marine Master Multiparameter photometer connects via your phone or mobile device to the free to download Hanna Lab App.

This allows readings to be stored on the cloud and displayed as tabulated data or as individual method graphs or even a multiparameter graph with user-selectable axes. The graph can be panned and zoomed with pinch-to-zoom technology for enhanced viewing and the App even has a demo meter pre-loaded which illustrates all features of this versatile meter.

Ideal for marine tank aquariums and marine biology applications you can now measure, remotely store and analyse pH, Alkalinity, Ammonia, Calcium, Magnesium, nitrate, Nitrite and Phosphate levels using just one instrument



- Alkalinity
- Ammonia
- Calcium
- Phosphate
- pH
- Magnesium
- Nitrite

HI-97115C complete kit ►

HI-97115 can be supplied as a complete kit containing everything needed to start testing. The kit contains:

- HI-97115 photometer in carry case c/w 2 Cuvettes, pipettes and batteries.
- Reagents* to perform 25 tests are also included for:

Alkalinity, ammonia, calcium, magnesium, nitrate, nitrite, pH and phosphate.

**Please note: this kit contains reagents for the most commonly tested parameters, but not for every parameter the marine master can test for. Please check your testing requirements are covered before ordering.*



Marine Monitor for pH, Salinity and Temperature



HI-981520 Marine Monitor

Marine

Hanna Marine Monitor provides 24/7 monitoring of key parameters for your marine tank. Each parameter is displayed and can individually be set with a high/low alarm to alert you when action is required.

- Salinity
- EC
- pH
- Temperature

The Hanna Marine Line Salinity Controller is the ideal solution for those looking to continuously monitor salinity levels together with pH and temperature in their aquariums. Designed to provide accurate salinity readout in marine water, seawater or aquaculture aquariums, all three parameters are simultaneously displayed on the clear LCD.

Monitoring water salinity, pH and temperature is an important routine in maintaining a marine aquarium or marine aquaculture. HANNA's HI981520-02 is a very easy-to-use device that continuously monitors and displays salinity (via electrical conductivity - EC) and pH and is supplied complete with the conductivity sensor with built-in temperature sensor and aquarium pH electrode.

The monitor can be calibrated at one or two points for pH and one point for conductivity. Seawater salinity is displayed in either parts per thousand (ppt), practical salinity units (PSU), or specific gravity (SG) depending on user preference. Measurement results are continuously displayed on a large, easy-to-read LCD screen. The permanently attached 2-ring conductivity probe features a built-in temperature sensor for fast, highly accurate temperature measurements. The HI1286 gel-filled pH electrode features a PEI body that is easy to clean and resistant to many harsh chemicals. Additionally, the dual diaphragm design is less prone to clogging and ensures fast and stable readings. The pH electrode is replaceable.

A high/low alarm can be configured for each parameter and if the aquarium readings exceed the set alarm points the monitor will alert you via an acoustic alarm and visually on the LCD display.

Koi Pond Monitors and pH Controllers

HI-981420 Koi Pond EC/TDS, pH & temperature Monitor



Provides continuous monitoring and digital readout of conductivity, pH and TDS of your Koi Pond ideal for commercial operations or for ponds with highly sensitive fish.

- 24/7 monitoring of EC/TDS, pH and temperature
- Place sensor in either the pond, skimmer or bio chamber
- High and low alarms with LED indicator
- Stores data for 30 days: logs every 15 minutes
- Automatic Temperature Compensation
- 24 hour summary screens (plot and details)



HI-981412 Koi Pond pH Controller c/w pump

Provides continuous monitoring and digital readout of pH and temperature and automatically doses your pond to ensure pH values are maintained.

- 24/7 monitoring of pH and temperature
- Place sensor in either the pond, skimmer or bio chamber
- Built-in low maintenance pump included
- Stores data for 30 days: logs every 15 minutes
- Proportional control prevents over-dosing
- Programmable high and low alarms
- 24 hour summary screens (plot and details)

Need Advice?

Need advice? Speak to your local stockist about the full range of Hanna Instruments Checkers, photometers, meters and testers.

Your Local Stockist: