



HI764 · HI767

Marine Nitrite Low Range and Marine Nitrite Ultra Low Range

Handheld Colorimeters

- Easier to use and more accurate than chemical test kits
- Dedicated to a single parameter
- Small size, big convenience

Nitrification is the biological oxidation of ammonia (ammonium ion) into nitrite, followed by the oxidation of nitrite to nitrate. The first step of this two-step process is carried out in an aquarium by nitrifying bacteria. During this process, the ammonium levels drop while the nitrite levels increase. Since nitrite is just as harmful as ammonia, nitrite levels should be maintained at immeasurable levels. A mature biological filter should be able to keep nitrite levels low.

HI767 and HI764 Checker®HC Handheld Colorimeters bridge the gap between simple chemical test kits and professional instrumentation. Chemical test kits are not very accurate, while professional instrumentation can cost hundreds of dollars and can be time-consuming to calibrate and maintain. Hanna Checker HC's are accurate, affordable, and easy to use.

To begin measurements, first zero the instrument with your water sample. Next, add the reagent. Last, place the vial into the Checker HC, press and hold the button for 3 seconds to start reaction timer. The reading will be taken automatically and the results displayed. It's that easy.

The contoured style of the 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	HI764 (Marine ULR)	HI767 (Marine LR)
Range	0 to 200 ppb NO ₂ -N	0 to 999 ppb
Resolution	1 ppb	1 ppb
Accuracy @25°C (77°F)	±10 ppb ±4% of reading	±10 ppb ±4% of reading
Light Source	LED @ 525 nm	LED @ 470 nm
Light Detector	silicon photocell	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Battery Type	1.5V AAA (1)	
Auto-off	after two minutes of non-use	after ten minutes of non-use and four minutes after reading
Dimensions	86.0 x 61.0 x 37.5 mm (3.4 x 2.4 x 1.5")	
Weight	64 g (2.3 oz)	
Method	adaptation of the EPA Diazotization method 354.1. The reaction between nitrite and the reagent causes a pink tint in the sample.	
Ordering Information	HI764 Checker®HC is supplied with sample cuvettes with caps (2), marine nitrite ULR reagent starter kit (reagents for 6 tests), battery, and instructions. HI767 Checker®HC is supplied with sample cuvettes with caps (2), marine nitrite LR reagent starter kit (reagents for 6 tests), battery, and instructions.	
Reagent Set	HI764-25 (25 tests)	HI767-25 (25 tests)
Calibration Set	HI764-11	HI767-11