HI764 • HI707 • HI708

Nitrite Low Range, High 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
- Ideal for:
  - Aquaculture
  - Aquariums
  - Education
  - Environmental
  - Water quality
  - Wastewater

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 quick 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.

The HI707, HI708 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. 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)	HI707 (LR)	HI708 (HR)
Range	0 to 200 ppb NO_2^-–N	0 to 600 ppb NO_2^-	0 to 150 ppm NO_2^-
Resolution	1 ppb	1 ppb	1 ppm
Accuracy @ 25°C/77°F	±10 ppb ±4% of reading	±20 ppb ±5% of reading	±3 ppm ±5% of reading
Light Source	LED @ 525 nm	LED @ 470 nm	LED @ 575 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	after ten 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 Diazotization method 354.1		adaptation of the Ferrous Sulfate method
Ordering Information	**HI764** Checker®HC is supplied with sample cuvettes with caps (2), marine nitrite ULR reagent starter kit (reagents for 6 tests), battery, instructions and quick start guide. **HI707** Checker®HC is supplied with sample cuvettes with caps (2), nitrite LR reagent starter kit (reagents for 6 tests), battery, instructions and quick start guide. **HI708** Checker®HC is supplied with sample cuvettes with caps (2), nitrite 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