



Marine Nitrate (LR) Handheld Colorimeter



HI781 Checker®HC

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Nitrate is a by-product of the Nitrogen cycle. Excessive amounts of Nitrates in a reef aquarium can promote the growth of undesirable organisms including algae and dinoflagellates while insufficient amounts can lead to starvation in which SPS and other corals will show signs including the loss of color and paleness.

The HI781 Nitrate Checker HC is a handheld colorimeter that uses the Beer-Lambert principle to determine the concentration of nitrate colorimetrically. The HI781 is designed specifically to measure low levels of nitrate in a saltwater aquarium. The 0.00 to 5.00 range is ideal for reef aquarium maintenance.

- Ideal for aquariums and marine biology
- Easier to use and more accurate than chemical test kits
- Small size, big convenience

Specifications	HI781
Range	0.00 to 5.00 ppm (mg/L) NO ₃
Resolution	0.01 ppm
Accuracy @ 25°C/77°F	±0.25 ppm ±2% of reading
Light Source	LED @ 525 nm
Light Detector	silicon photocell
Method	zinc reduction method
Auto-off	after ten minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Battery Type	(1) 1.5V AAA
Ordering Information	HI781 Checker HC is supplied with sample cuvettes with caps (2), nitrate reagent starter kit (reagents for 25 tests), filter holder, 10 mL syringe, 5 mL syringe with tip, mixing vial with cap, battery, and instructions.
Accessories	HI781-25 Reagent set for 25 tests HI781-11 Calibration set

