



Nitrite Meters

Nitrites are an intermediate product in the nitrogen cycle and are produced during ammonia oxidation with water, or even originate in industrial waste directly. They must not be present in drinking water.

Nitrites can be harmful to aquatic organisms even in low concentrations and for this reason, they are closely monitored in aquaculture facilities. In cooling towers, however, an adequate amount of nitrites is necessary to prevent corrosion.

In high concentrations, they can be harmful to environment and to man. They are, therefore, normally monitored to verify the quality of water for domestic use, as well as lakes and ponds.

HI 93707 and HI 93708 show the nitrite concentration directly in the 0.00 to 0.35 mg/L and 0 to 150 mg/L ranges, with increments of 0.01 mg/L and 1 mg/L, respectively.

They can also determine sodium nitrite concentration by simply multiplying the readings by 4.93 (HI 93707) or by 1.5 (HI 93708). With HI 93708 it is also possible to determine nitrogen nitrite concentration by dividing the readings by 3.29.

Ordering Information

HI 93707 is supplied complete with 2 cuvettes, battery and instructions.

HI 93708 is supplied complete with 2 cuvettes, battery and instructions.



Specifications

| | HI 93707 (Nitrite LR) | HI 93708 (Nitrite HR) |
|-----------------------|---|---|
| Range | 0.00 to 0.35 mg/L | 0 to 150 mg/L |
| Resolution | 0.01 mg/L | 1 mg/L |
| Accuracy (@20°C/68°F) | ±0.02 mg/L ±4% of reading | ±4 mg/L ±4% of reading |
| Light Source | LED (Light Emitting Diode) 470 nm | LED (Light Emitting Diode) 585 nm |
| Light Life | Life of the instrument | |
| Light Detector | Silicon Photocell | |
| Battery Type / Life | 1 x 9V / approx. 40 hours of continuous use; Auto-off after 10 minutes of non use | |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% non-condensing | |
| Dimensions | 180 x 83 x 46 mm (7.1 x 3.3 x 1.8") | |
| Weight | 290 g (10 oz.) | |
| Method | Adaptation of the EPA method 354.1; The reaction between nitrite and the reagent causes a pink tint in the sample | Adaptation of the Ferrous Sulfate method; The reaction between nitrite and the reagent causes a greenish-brown tint in the sample |

Accessories

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|-------------|--|-------------|--|
| HI 710009 | Shockproof rubber boot, blue | HI 93707-03 | Reagent kit for 300 tests (N-NO ₂ LR) |
| HI 710010 | Shockproof rubber boot, orange | HI 93708-01 | Reagent kit for 100 tests (NO ₂ HR) |
| HI 731318 | Tissue for wiping cuvettes (4 pcs) | HI 93708-03 | Reagent kit for 300 tests (NO ₂ HR) |
| HI 731321 | Measuring cuvet (4 pcs) | | |
| HI 93703-50 | Cuvet cleaning solution (230 mL) | | |
| HI 731325 | Cuvet cap (4 pcs) | | |
| HI 93707-01 | Reagent kit for 100 tests (N-NO ₂ LR) | | |

For a comprehensive list of accessories, see sections U and V