

HI96707 • HI96708

## Nitrite Portable Photometers

- **CAL Check™**
  - Enables users to check validity of calibration
- **BEPS**
  - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
  - Meets Good Laboratory Practices

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 the environment and to humans. They are, therefore, normally monitored to verify the quality of water for domestic use, as well as lakes and ponds.

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

The HI96707 measures the Nitrite-nitrogen content in the 0.000 to 0.600 mg/L (ppm) range, in drinking, surface and saline water samples and in domestic and industrial wastes.

The HI96708 meter measures the nitrite content in water and wastewater in the 0 to 150 mg/L (ppm) range.

Both meters use an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.



Specifications	HI96707 Nitrite, LR	HI96708 Nitrite, HR														
Range	0.000 to 0.600 mg/L (ppm)	0 to 150 mg/L (ppm)														
Resolution	0.001 mg/L	1 mg/L														
Accuracy @ 25°C (77°F)	±0.020 mg/L ±4% of reading	±4 mg/L ±4% of reading														
Light Source	tungsten lamp															
Light Detector	silicon photocell with narrow band interference filter @ 525 nm	silicon photocell with narrow band interference filter @ 575 nm														
Power Supply	9V battery															
Auto-off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder															
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing															
Dimensions	193 x 104 x 69 mm (7.6 x 4.1 x 2.7")															
Weight	360 g (12.7 oz.)															
Method	adaptation of an EPA approved diazotization method	adaptation of the Ferrous Sulfate method														
<b>Ordering Information</b>	<p><b>HI96707</b> and <b>HI96708</b> are supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately</p> <p><b>HI96707C</b> and <b>HI96708C</b> include photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, scissors, cuvette wiping cloth, instrument quality certificate, Nist traceable, instruction manual and rigid carrying case. Reagents sold separately</p>															
<b>Reagents and Standards</b>	<table border="1"> <tbody> <tr> <td rowspan="3">HI96707</td> <td><b>HI96707-11</b></td> <td>CAL Check™ standard cuvettes</td> </tr> <tr> <td><b>HI93707-01</b></td> <td>powder reagents for 100 tests</td> </tr> <tr> <td><b>HI93707-03</b></td> <td>powder reagents for 300 tests</td> </tr> <tr> <td rowspan="3">HI96708</td> <td><b>HI96708-11</b></td> <td>CAL Check™ standard cuvettes</td> </tr> <tr> <td><b>HI93708-01</b></td> <td>reagents for 100 tests</td> </tr> <tr> <td><b>HI93708-03</b></td> <td>reagents for 300 tests</td> </tr> </tbody> </table>	HI96707	<b>HI96707-11</b>	CAL Check™ standard cuvettes	<b>HI93707-01</b>	powder reagents for 100 tests	<b>HI93707-03</b>	powder reagents for 300 tests	HI96708	<b>HI96708-11</b>	CAL Check™ standard cuvettes	<b>HI93708-01</b>	reagents for 100 tests	<b>HI93708-03</b>	reagents for 300 tests	
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Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71

