

HI97779

# Chlorine Dioxide (Rapid) Portable Photometer

- **Advanced LED optical system**
  - Innovative optical design that utilizes a reference detector and focusing lens to eliminate errors from changes in the light source and from imperfections in the glass cuvette.
  - LEDs have a much higher luminous efficiency, providing more light while using less power. They also produce little heat, which could otherwise affect electronic stability.
- **CAL Check™**
  - Validate instrument performance at any time using CAL Check cuvettes made with NIST traceable standards. The CAL Check screen guides the user step-by-step through the validation process and user calibration.
- **On-screen tutorial mode with animations**
  - Guides users step-by-step through the measurement process
- **Waterproof and floating IP67 case**
- **Unit of measure is displayed along with reading**
- **Built-in timer**
  - Built-in reaction timer that ensures consistency between tests.
- **Error messages on display**
  - Alerts to problems including no cap, high zero, and standard too low
- **GLP data**
  - Displays the last calibration date.
- **Auto logging**
- **Battery status indicator**
- **Auto-shut off**



| Specifications                | HI97779 Chlorine Dioxide (Rapid)   |   |
|-------------------------------|--|---|
| Measurement                   | Range  | 0.00 to 2.00 mg/L (as ClO <sub>2</sub> )  |
|                               | Resolution   | 0.01 mg/L   |
|                               | Accuracy @25°C (77°F)  | ±0.10 mg/L, ±5% of reading  |
| Measurement System            | Method   | Adaptation of Standard Methods for the Examination of Water and Wastewater, 18th ed., 4500 ClO <sub>2</sub> D |
|                               | Light Source   | light emitting diode  |
|                               | Bandpass filter  | 525 nm  |
|                               | Bandpass filter bandwidth  | 8 nm  |
|                               | Bandpass filter wavelength accuracy  | ±1.0 nm   |
|                               | Light Detector   | silicon photocell   |
| Additional Specifications     | Cuvette type   | round 24.6 mm diameter (22 mm inside)   |
|                               | Auto logging   | 50 readings   |
|                               | Display  | 128 x 64 pixel B/W LCD with backlight   |
|                               | Auto-off   | after 15 minutes of inactivity (30 minutes before a READ measurement)   |
|                               | Battery type / Life  | alkaline 1.5 V AA (3) / > 800 measurements (without backlight)  |
|                               | Environment  | 0 to 50°C (32 to 122°F); 0 to 100% RH, non-serviceable  |
|                               | Dimensions   | 142.5 x 102.5 x 50.5 mm (5.6 x 4.0 x 2.0")  |
|                               | Weight   | 380 g (13.4 oz.)  |
| <b>Ordering Information</b>   | <b>HI97779</b> is supplied with sample cuvettes (2), sample caps (2), plastic stoppers (2), 1.5V AA batteries (3), instrument quality certificate, and instruction manual.<br>CAL Check standards and testing reagents sold separately |   |
| <b>Reagents and Standards</b> | HI97779  | <b>HI97779-11</b> CAL Check Standard cuvettes for chlorine dioxide (rapid)                                    |
|                               |  | <b>HI96779-01</b> chlorine dioxide (rapid) reagents for 100 tests   |
|                               |  | <b>HI96779-03</b> chlorine dioxide (rapid) reagents for 300 tests   |