



HI97729 · HI97739

Fluoride, Low and High range Portable Photometers

- 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 | HI97729 Fluoride LR | HI97739 Fluoride HR | |
|---------------------------|-------------------------------------|---|---|
| Measurement | Range | 0.00 to 2.00 mg/L (ppm) (as F ⁻) | 0.0 to 20.0 mg/L (ppm) (as F ⁻) |
| | Resolution | 0.01 mg/L | 0.1 mg/L |
| | Accuracy @25°C (77°F) | ±0.03 mg/L ±3% of reading | ±0.5 mg/L ±3% of reading |
| | Method | adaptation of the EPA method 340.1 and SPADNS method | adaptation of the SPADNS method |
| Measurement System | Light Source | light emitting diode | |
| | Bandpass filter | 575 nm | 575 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.) | | |

HI97729 and **HI97739** are supplied with sample cuvettes (2), sample caps (2), plastic stoppers (2), 1.5V AA batteries (3), instrument quality certificate, and instruction manual. CAL Check standards and testing reagents sold separately

Ordering Information

HI97729C and **HI97739C** includes photometer, CAL Check standards, sample cuvettes (2), sample caps (2), plastic stoppers (2), 2000 µL automatic pipette with instruction sheet, 1.5V AA batteries (3), cuvette wiping cloth, CAL Check standard certificate, instrument quality certificate, instruction manual, and rigid carrying case.

Reagents sold separately

| Reagents and Standards | |
|------------------------|---|
| HI97729 | HI93703-53 reagent for reducing chlorine concentration |
| | HI97729-11 CAL Check standard cuvettes for fluoride LR |
| | HI93729-01 fluoride LR reagents for 100 tests |
| | HI93729-03 fluoride LR reagents for 300 tests |
| HI97739 | HI97739-11 CAL Check standard cuvettes for fluoride HR |
| | HI93739-01 fluoride HR reagents for 100 tests |
| | HI93739-03 fluoride HR reagents for 300 tests |

Significance of Use

Fluoride is best known for preventing tooth decay. Water authorities often add fluoride to drinking water to maintain approximately a 1.0 mg/L (ppm) concentration. Fluoride can be found naturally in groundwater, particularly if a reservoir is in close proximity to seawater. While fluoride does help prevent tooth decay, too little can be ineffective while too much can cause staining of teeth.

ติดต่อบริษัท เนโอนิกส์ จำกัด

Tel: 098-479-5684 หรือ 061-8268939

E-mail: sale@neonics.co.th หรือ sale@tools.in.th