HI97727

Color of Water Portable Photometer

- Advanced LED optical system
  - 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 the performance of the instrument at any time and apply a user calibration 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

- Auto logging

- GLP
  - Review of the last calibration date.

- On-screen tutorial mode with animations
  - The built in Tutorial mode guides users step-by-step through the measurement process.

- Waterproof and floating IP67 case

- Auto-shut off
  - Automatic shut off after 15 minutes of inactivity and 30 minutes before a read measurement.

- Battery status indicator
  - Indicates the amount of battery life left.

- Built-in timer
  - Display of time remaining before a measurement is taken. Ensures that all readings are taken at the appropriate reaction intervals for the test being performed.

- Error messages
  - Messages on display alerting to problems including no cap, high zero, and standard too low.

- Units of measure
  - Appropriate unit of measure is displayed along with reading.

Specifications		HI97727 Color of Water
Measurement	Range	0 to 500 PCU (Platinum Cobalt Units)
	Resolution	1 PCU
	Accuracy @25°C (77°F)	±10 PCU ±5% of reading at 25°C
	Method	adaptation of the Standard Methodsfor the Examination of Water and Wastewater, 18th edition, Colorimetric Platinum Cobalt method
Measurement System	Light Source	light emitting diode
	Bandpass filter	420 nm
	Bandpass filter bandwidth	8 nm
	Bandpass filter wavelength accuracy	±1.0 nm
	Light Detector	silicon photocell
	Cuvette type	round 24.6 mm diameter (22 mm inside)
Additional Specifications	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.)

Ordering Information

HI97727 is 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

HI97727C includes photometer, CAL Check standards, sample cuvettes (2), sample caps (2), plastic stoppers (2), 1.5V AA batteries (3), cuvette wiping cloth, scissors, instrument quality certificate, instruction manual and HI7101412 rigid carrying case.

Reagents sold separately

Reagents and Standards	HI97727	**HI97727-11** CAL Check standard cuvettes for color of water