HI97750

Potassium LR and MR 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		HI97750 Potassium LR and MR
Potassium LR	Range	0.0 to 10.0 mg/L (as K)
	Resolution	0.1 mg/L
	Accuracy @25°C (77°F)	±3.0 mg/L ±7 % of reading
	Method	adaptation of the Turbidimetric Tetraphenylborate Method
Potassium MR	Range	10 to 100 mg/L (as K)
	Resolution	0.1 mg/L
	Accuracy @25°C (77°F)	±10 mg/L ±7 % of reading
	Method	adaptation of the Turbidimetric Tetraphenylborate Method
Measurement System	Light Source	light emitting diode
	Bandpass filter	466 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	
	HI97750 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
	HI97750C includes photometer, CAL Check standards, sample cuvettes (2), sample caps (2), plastic stoppers (2), 1.5V AA batteries (3), scissors, cuvette wiping cloth, CAL Check standard certificate, instrument quality certificate, instruction manual, and rigid carrying case. Reagents sold separately

Reagents and Standards	HI97750	HI97750-11 CAL Check standard cuvettes for potassium
		HI93750-01 potassium reagents for 100 tests
		HI93750-03 potassium reagents for 300 tests

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