



HI97725

## Free and Total Chlorine, Cyanuric Acid and pH Portable Photometer

*for Legionella Protection*

- **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**

### Legionella

Legionella species is the agent that causes human Legionnaires' disease as well as the lesser form, Pontiac Fever. Transmission is facilitated by the inhalation of mist droplets containing the Legionella bacteria.

Common sources of Legionella include cooling towers used in industrial cooling water systems as well as in large central air conditioning systems, domestic hot water systems, fountains, and similar disseminators that draw from a public water supply. Natural sources include freshwater ponds and creeks.

Since Legionella is especially harmful to people with weakened immune systems, it should be actively checked for in the water systems of hospitals and nursing homes.

Specifications		HI97725 Chlorine, Cyanuric Acid and pH
Chlorine, Free	Range	0.00 to 5.00 mg/L (ppm)
	Resolution	0.01 mg/L
	Accuracy @25°C (77°F)	±0.03 mg/L ±3% of reading
	Method	adaptation of the EPA recommended DPD method 330.5 and standard method 4500-CL G
Chlorine, Total	Range	0.00 to 5.00 mg/L (ppm)
	Resolution	0.01 mg/L
	Accuracy @25°C (77°F)	±0.03 mg/L ±3% of reading
	Method	adaptation of the EPA recommended DPD method 330.5 and standard method 4500-CL G
Cyanuric Acid	Range	0 to 80 mg/L (ppm)
	Resolution	1 mg/L
	Accuracy @25°C (77°F)	±1 mg/L ±15% of reading
	Method	adaptation of the Turbidimetric method
pH	Range	6.5 to 8.5 pH
	Resolution	0.1 pH
	Accuracy @25°C (77°F)	±0.1 pH
	Method	Phenol Red method
Measurement System	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
	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.)

**HI97725** 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

**HI97725C** includes photometer, CAL Check standards, sample cuvettes (2), sample caps (2), plastic stoppers (2), 1.5V AA batteries (3), cuvette wiping cloth, CAL Check standard certificates, instrument quality certificate, instruction manual, and rigid carrying case.

Reagents sold separately

### Ordering Information

### Reagents and Standards

HI97725

**HI97701-11** CAL Check standard cuvettes for free and total chlorine

**HI93701-01** free chlorine reagents for 100 tests

**HI93701-03** free chlorine reagents for 300 tests

**HI97710-11** CAL Check standard cuvettes for pH

**HI93710-01** pH reagents for 100 tests

**HI93710-03** pH reagents for 300 tests

**HI93711-01** total chlorine reagents for 100 tests

**HI93711-03** total chlorine reagents for 300 tests

**HI97722-11** CAL Check standard cuvettes for cyanuric acid

**HI93722-01** cyanuric acid reagents for 100 tests

**HI93722-03** cyanuric acid reagents for 300 tests