

HI96714

Cyanide Portable Photometer

- **CAL Check™**
 - Enables users to check validity of calibration
- **BEPS**
 - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
 - Meets Good Laboratory Practices

Cyanide is a pollutant that originates mostly from metallurgical and galvanic industrial plants. Cyanide is poisonous to the human nervous system, and it is therefore imperative to monitor and control its level in potable water. Continuous monitoring in waste effluents is required, and cyanide is removed using an alkaline chlorination procedure. Because of this, European norm limit the concentration of cyanide in drinking water to 0.05 mg/L, while the EPA has established that the maximum level is not to exceed 0.2 mg/L.

The HI96714 meter measures the cyanide in wastewaters. The meter uses an exclusive positive-locking system to ensure that the cuvette is in the same position every time it is placed into the measurement cell. It is designed to fit cuvettes with a larger neck, making it easier to add both sample and reagents. The cuvettes are made from special optical glass to obtain the best results.



Specifications HI96714 Cyanide

Range	0.000 to 0.200 mg/L (ppm)
Resolution	0.001 mg/L
Accuracy @ 25°C (77°F)	±0.005 mg/L ±3% of reading
Light Source	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 610 nm
Power Supply	9V battery
Auto-off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	193 x 104 x 69 mm (7.6 x 4.1 x 2.7")
Weight	360 g (12.7 oz.)
Method	adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Pyridine-Pyrazolone method
Ordering Information	HI96714 is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately
Reagents and Standards	HI96714-11 CAL Check™ standard cuvettes
	HI93714-01 reagents for 100 tests
	HI93714-03 reagents for 300 tests

Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71