

Cyanide Portable Photometer



- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features

The HI 96714 meter measures the cyanide concentration in waters. 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 best results.

Cyanide is a pollutant that originates mostly from metallurgical and galvanic industrial plants. Cyanide is poisonous to 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 alkaline chlorination procedure. Due to 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.

Measures to Minimize Cyanide Discharge

To meet the public's need for safety, environmental protection, and clean water and air, the ongoing regulatory cycle involves ever-tightening restrictions on hazardous materials and their discharge.

For cyanide users, this is exemplified by more stringent discharge restrictions, stricter storage requirements and mandatory use of cyanide gas sensing/detection systems in some jurisdictions.

SPECIFICATIONS	HI 96714 Cyanide
Range	0.000 to 0.200 mg/L (ppm)
Resolution	0.001 mg/L (ppm)
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	192 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

The reagents are in powder form and are supplied in bottle/packets. The amount of reagent is precisely dosed to ensure the maximum repeatability.

For a complete list of Reagents, see Reagents Section 18.

ORDERING INFORMATION

HI 96714 is supplied with sample cuvettes (2) with caps, 9V battery and instruction manual.

CAL CHECK™ standards and testing reagents sold separately

REAGENTS AND STANDARDS

- HI 96714-11 CAL CHECK™ standard cuvettes
- HI 93714-01 Reagents for 100 tests
- HI 93714-03 Reagents for 300 tests