HI96718

Iodine 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

The disinfectant properties of iodine have led to its use as an alternative to chlorine and bromine. Unlike chlorinated pools, water treated with iodine decreases eye irritation among swimmers and provides a level of disinfection more stable to adverse conditions.

However, its toxic, corrosive properties and the difficulties of dissolving it in water have limited its widespread acceptance. One of its most common applications is in poultry industry process water.

The HI96718 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 a cuvette with a larger neck, making it easier to add both sample and reagents. The cuvette is made from special optical glass to obtain the best results.

The HI96718 measures the iodine content in water samples in the 0.0 to 12.5 mg/L (ppm) range. The method is an adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, DPD method. The reaction between iodine and the reagent causes a pink tint in the sample.

Specifications	HI96718 Iodine	
Range	0.0 to 12.5 mg/L (ppm)	
Resolution	0.1 mg/L	
Accuracy @ 25°C (77°F)	±0.1 mg/L ±5% of reading	
Light Source	tungsten lamp	
Light Detector	silicon photocell with narrow band interference filter @ 525 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, DPD method	
Ordering Information	**HI96718** is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately **HI96718C** includes photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, scissors, cuvette wiping cloth, instrument quality certificate, instruction manual and rigid carrying case. Reagents sold separately	
Reagents and Standards	**HI96718-11**	CAL Check™ standard cuvettes
	HI93718-01	reagents for 100 tests
	HI93718-03	reagents for 300 tests

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