

HI96727

Color of Water 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

Apparent color is the color of the whole water sample, and consists of color from both dissolved and suspended components. True color is measured after filtering the water sample to remove all suspended material.

The presence of color in water does not necessarily indicate that the water is not potable. Color-causing substances such as tannins may be harmless.

Color is not removed by typical water filters; however, slow sand filters can remove color, and the use of coagulants may also succeed in trapping the color-causing compounds within the resulting precipitate.

Color, together with odor, taste and turbidity form an integral part of our sensory system.

Testing for color can be a quick and easy test which often reflects the amount of organic material in the water, although certain inorganic components like iron or manganese can also impart color.

The HI96727 measures the true and apparent color in water and wastewater in the 0 to 500 PCU (Platinum Cobalt Units) range.

The HI96727 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.



Specifications	HI96727 Color of Water
Range	0 to 500 PCU (Platinum Cobalt Units)
Resolution	10 PCU
Accuracy @ 25°C (77°F)	±10 PCU ±5% of reading
Light Source	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 420 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 Method for the Examination of Water and Wastewater 18th Edition, colorimetric platinum cobalt method
Ordering Information	HI96727 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	HI96727-11 CAL Check™ standard cuvettes
Accessories	HI740227 filter assembly
	HI740228 filter disc

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

