



## Color Meter "True" and "Apparent"

Color together with odor, taste and turbidity form an integral part of our sensory system. The term "color" is normally used to indicate "true" color, i.e., the color of water from which turbidity has been removed. The term "apparent color" refers to color due to both substances in solution and suspended matter. Apparent color is obtained without filtering the original sample.

Color in water is due to natural ions such as iron and manganese as well as plankton, humus and peat materials. Industrial waste, especially from textile, paper and pulp processes can also contribute to presence of color. A colored water is also a result of agricultural pollution.

The HANNA instruments® solution is a microprocessor-based meter that measures both true and apparent color of minerals and natural constituents in water from 0 to 500 PCU.

The microprocessor driven HI 93727 guarantees precision for every measurement.

The HANNA instruments® HI 93727 Color meter uses the Platinum Cobalt method considered to be the standard method of measuring Color for drinking and natural waters.

Results are expressed in digital readouts saving you from complicated comparison procedures to determine the color.



HI 710009

### Specifications

HI 93727 (Color)	
Range	0 to 500 PCU (Platinum Cobalt Units)
Resolution	10 PCU
Accuracy (@20°C/68°F)	±10 PCU ±5% of reading
Light Source	LED (Light Emitting Diode) 470 nm
Light Life	Life of the instrument
Light Detector	Silicon Photocell
Battery Type / Life	1 x 9V / approx. 40 hours of continuous use; Auto-off after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)
Method	Colorimetric Platinum Cobalt Units

### Accessories

HI 710009	Shockproof rubber boot, blue	HI 93703-50	Cuvet cleaning solution (230 mL)
HI 710010	Shockproof rubber boot, orange	HI 731321	Measuring cuvet (4 pcs)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 731325	Cuvet cap (4 pcs)

### Ordering Information

HI 93727 is supplied complete with 2 cuvetts, battery and instructions.

For a comprehensive list of accessories, see sections U and V