

HI 93702

Copper



Copper Meter

Copper is found in effluents and natural water both as suspended solids and salt.

A high concentration is toxic for plants and animals, which accounts for its rigorous monitoring by the authorities and in industry.

Lower concentrations are often employed to contain the growth of plankton and algae.

Ion selective electrodes used for measuring copper quickly become tarnished and need to be polished frequently or stored in costly EDTA solution for 1-2 days and suffer from temperature changes. On the other end of the scale, test kits are low-cost but highly inaccurate.

HANNA instruments® offers an affordable meter with a custom microprocessor and large LCD as a viable alternative: **HI 93702** with a resolution of 0.01 mg/L.

Specifications

HI 93702 (Copper)	
Range	0.00 to 5.00 mg/L
Resolution	0.01 mg/L
Accuracy (@20°C/68°F)	±0.02 mg/L ±4% of reading
Light Source	LED (Light Emitting Diode) 555 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	Adaptation of the EPA approved method. The reaction between copper and the bicinchoninate reagent causes a purple tint in the sample.

Accessories

HI 710009	Shockproof rubber boot, blue	HI 93702-03	Reagent kit for 300 tests (Cu HR)
HI 710010	Shockproof rubber boot, orange	HI 93702T-01	Reagent kit for 100 tests (Cu HR)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93702T-03	Reagent kit for 300 tests (Cu HR)
HI 731321	Measuring cuvet (4 pcs)		
HI 93702-01	Reagent kit for 100 tests (Cu HR)		

Ordering Information

HI 93702 is supplied complete with 2 cuvetts, battery and instructions.

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