



# Copper, Low Range Photometer

Water Resistant and CAL CHECK™

## Simple Copper Measurement for a Wide Variety of Applications

The HI 96747 meter measures the free dissolved Copper (Cu) content in water samples in the 0.000 to 1.500 mg/L (ppm) range. The method is an adaptation of the USEPA approved bicinchoninate method. It has the advanced optical system based on a special tungsten lamp and a narrow band interference filter that allows most accurate and repeatable readings. The instrument is factory calibrated and the electronic and optical design minimizes the need of frequent calibration.

With the powerful CAL CHECK™ validation function, you are able to validate performance of the instrument at any time. The validation procedure is extremely user friendly. Just use the exclusive HANNA ready-made, NIST traceable standards to verify the performance of the instrument and recalibrate if necessary.

The instrument is water resistant and the lamp and filter units are protected from dust or dirt by a transparent cup. This makes the instrument ideal for field applications. Display messages aid the user in routine operation. The meter has an auto-shut off feature that will turn off the instrument after 10 minutes of non use in measurement mode or after 1 hour if left in calibration mode.

The meter uses an exclusive positive-locking system to ensure that the cuvet is in the same position every time it is placed into the measurement cell. It is designed to fit a cuvet with a larger neck making it easier to add both sample and reagents. The cuvet is made from special optical glass to obtain best results.

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



### SPECIFICATIONS

### HI 96747

Range	0.000 to 1.500 mg/L
Resolution	0.001 mg/L for measurement; 0.01 mg/L for calibration and validation
Precision	±0.015 mg/L to 0.750 mg/L
Light Source	Tungsten lamp
Light Detector	Silicon Photocell with narrow band interference filter @ 560 nm
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	(1) 9V battery
Auto-off	After 10 minutes of non-use in measurement mode; after 1 hour of non-use in calibration mode; with last reading reminder.
Dimensions	192 x 102 x 67 mm (7.6 x 4 x 2.6")
Weight	290 g (10 oz.)
Method	Adaptation of the USEPA approved bicinchoninate method.



## Available as a KIT

Just choose the "C" version

HI 96715C kit version shown.



HI 731331 — Measuring Cuvets

### ORDERING INFORMATION

**HI 96747** is supplied with (2) sample cuvettes with caps, 9V battery and instruction manual.

**HI 96747C** is supplied with CAL CHECK™ standard cuvettes and reagents, (2) sample cuvettes with caps, 9V battery, cuvet cleaning cloth, scissors and instruction manual in a hard carrying case.

### REAGENTS AND STANDARDS

**HI 95747-11** CAL CHECK™ Standard Cuvets (1 set)

**HI 95747-01** Reagents for 100 tests

**HI 95747-03** Reagents for 300 tests

### SOLUTIONS

**HI 93703-50** Cuvet cleaning solution, 250 mL

### ACCESSORIES

**HI 740029P** 9V Batteries (10)

**HI 721310** 9V Batteries (100)

**HI 731318** Cuvet cleaning cloth (4)

**HI 731331** Measuring cuvettes (4)

**HI 731335** Cuvet caps (4)