

HI 96770

Silica Photometer

Water Resistant and CAL CHECK™

**SPECIFICATIONS****HI 96770**

Range	0 to 200 mg/L (SiO ₂)
Resolution	1 mg/L
Precision	±5 mg/L @ 100 mg/L
Light Source	Light Emitting Diode
Light Detector	Silicon Photocell with narrow band interference filter @ 466 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 measuring mode; after 1 hour of non-use in calibration mode
Dimensions	192 x 102 x 67 mm (7.6 x 4 x 2.6")
Weight	290 g (10 oz.)
Method	Adaptation of the USEPA METHOD 370.1 for drinking, surface and saline waters, domestic and industrial wastes and Standard Method 4500-SiO ₂ C.

**Available as a KIT***Just choose the "C" version**HI 96715C kit version shown.***ORDERING INFORMATION**

HI 96770 is supplied with (2) sample cuvettes with caps, 9V battery and instruction manual.

HI 96770C is supplied with CAL CHECK™ standard cuvettes, (2) sample cuvettes with caps, 9V battery, cuvet cleaning cloth, scissors and instruction manual in a hard carrying case.

REAGENTS AND STANDARDS

HI 96770-11 CAL CHECK™ Standard Cuvettes (1 set)

HI 96770-01 Reagents for 100 high range tests

HI 96770-03 Reagents for 300 high range 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)

Test Silica Accurately

The HI 96770 meter measures the molybdate reactive silica (SiO₂) content in water samples in the 0 to 200 mg/L (ppm) range. The method is an adaption of the USEPA METHOD 370.1 for drinking, surface and saline waters, domestic and industrial wastes and Standard Method 4500-SiO₂ C.

With the powerful CAL CHECK™ validation function, you are able to validate performance of your 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.

It has the advanced optical system based on a Light Emitting Diode (LED) and a narrow band interference filter that allows most accurate and repeatable readings.

The instrument is water resistant and the LED 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 reagents are in powder form and are supplied in packets. The amount of reagent is precisely dosed to ensure the maximum repeatability.

*HI 731318 — Cuvet Cleaning Cloth*