

HI 96701

Free Chlorine Photometer

Water Resistant and CAL CHECK™



Free Cl₂ Measurement for Water Treatment Applications

Chlorine is the most common water disinfectant. It is used in many water treatment applications such as industrial and municipal wastewater, the food industry and swimming pools.

HI 96701 is a photometer that measures free chlorine with high resolution and precision and shows results immediately on the display. Simple, quick, economical and accurate, this meter is the optimum solution for chlorine measurements in the field.

The HI 96701 meter measures the free chlorine (Cl₂) content in water samples in the 0.00 to 5.00 mg/L (ppm) range.

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.

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 96701

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|----------------|--|
| Range | 0.00 to 5.00 mg/L |
| Resolution | 0.01 mg/L 0.00 to 3.50 mg/L; 0.10 mg/L (> 3.50 mg/L) |
| Precision | ±0.02 mg/L @ 1.00 mg/L |
| Light Source | Tungsten lamp |
| Light Detector | Silicon Photocell with narrow band interference filter @ 525nm |
| 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. |
| Environment | 0 to 50°C (32 to 122°F); RH max 95% non-condensing |
| 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 330.5 and Standard Method 4500-Cl G. |



Available as a KIT

Just choose the "C" version

HI 96715C kit version shown.

ORDERING INFORMATION

HI 96701 is supplied with (2) sample cuvetts with caps, 9V battery and instruction manual.

HI 96701C is supplied with CAL CHECK™ standard cuvetts, (2) sample cuvetts with caps, 9V battery, cuvet cleaning cloth, scissors and instruction manual in a hard carrying case.

REAGENTS AND STANDARDS

HI 93701-01 Powder reagents for 100 tests (Free Chlorine)

HI 93701-03 Powder reagents for 300 tests (Free Chlorine)

HI 95701-11 CAL CHECK™ Standard Cuvets (1 set)

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 cuvetts (4)

HI 731335 Cuvet caps(4)