

HI 93701 • HI 93711 • HI 93734

Free and Total Chlorine



Free and Total Chlorine Meters

Chlorine is the most commonly used water disinfectant. Applications vary from treatment of drinking water and wastewater to pool and spa sanitization and food processing to sterilization.

HANNA instruments' line includes colorimetric chemical test kits, measuring both free and total chlorine (see section A). The microprocessor-based instruments featured in this section provide greater resolution, better accuracy and immediate results. Choose between three different models: **HI 93701** for measuring free chlorine and **HI 93711** for free (0 to 2.5 mg/L) and total (0 to 3.5 mg/L) chlorine. For applications that require a more extensive measurement range, **HANNA** instruments® also offers the **HI 93734** which measures both free and total chlorine from 0.00 to 9.99 mg/L.

Specifications

	HI 93701 (Free Cl₂)	HI 93711 (Free & total Cl₂)	HI 93734 (Free & Total Cl₂, HR)
Range	Free chlorine 0.00 to 2.50 mg/L Total chlorine --	0.00 to 2.50 mg/L 0.00 to 3.50 mg/L	0.00 to 9.99 mg/L 0.00 to 9.99 mg/L
Resolution	0.01 mg/L	0.01 mg/L	0.01 mg/L
Accuracy (@20°C/68°F)	±0.03 mg/L ±3% of reading	±0.03 mg/L ±3% of reading	±0.03 mg/L ±3% 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 inactivity		
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 recommended DPD method 330.5. The reaction between chlorine and the DPD reagent causes a pink tint in the sample		



HI 93701C and **HI 93711C** are the ideal solution for chlorine measurement in the field.

Accessories

Reagents for HI 93701 and HI 93711:

HI 93701-01	Powder reagent kit for 100 tests (free chlorine)
HI 93701-03	Powder reagent kit for 300 tests (free chlorine)
HI 93701-F	Liquid reagent kit for 300 tests (free chlorine)
HI 93701-T	Liquid reagent kit for 300 tests (total chlorine)
HI 93711-D3	DPD3 Reagent for 600 tests (total chlorine)
HI 93711-01	Powder reagent kit for 100 tests (total chlorine)
HI 93711-03	Powder reagent kit for 300 tests (total chlorine)

Reagents for HI 93734:

HI 93734-01	Liquid reagent kit for 100 tests (free and total chlorine)
HI 93734-03	Liquid reagent kit for 300 tests (free and total chlorine)

Calibration Standards for Free Chlorine:

HI 93701-00	0.00 mg/L Free Cl ₂ (4 pcs)
HI 93701-25	0.25 mg/L Free Cl ₂ (4 pcs)
HI 93701-50	0.50 mg/L Free Cl ₂ (4 pcs)
HI 93701-10	1.00 mg/L Free Cl ₂ (4 pcs)
HI 93701-11	0.00, 0.25, 0.50, 1.00 mg/L Free Cl ₂ (4 pcs)

Ordering Information

HI 93701 is supplied complete with 2 cuvettes, battery and instructions.

HI 93701C, kit includes **HI 93701**, hard carrying case and reagents.

HI 93711 is supplied complete with 2 cuvettes, battery and instructions.

HI 93711C, kit includes **HI 93711**, hard carrying case and reagents.

HI 93734 is supplied complete with 2 cuvettes, battery and instructions.

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