

Free chlorine and Total chlorine measurement

CHLORINE METER

Model : CL-2006

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

CHLORINE METER

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FEATURES

* The meter measures the Free and Total chlorine (CL) in the 0.00 to 3.50 ppm (mg/L).
* The measuring method is an adaptation of the USEPA Method 330.5 for waste water and Standard Method 4500-Cl G for drinking water.
* The advanced optical system based on a special narrow band LED lamp that allows most accurate and repeatable reading.
* Friendly and powerful calibration function are able to validate good performance of your meter at any time.
* 1.00 ppm Free standard solution and 1.00 ppm Total standard solution are includes as the standard accessories.
* The unique optics structure, enables the instrument to read with high resolution : 0.01 ppm (mg/L).
* Splash waterproof on the front panel.
* Jumbo LCD, easy readout.
* Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
* Battery operated for field and on-site testing convenience.
* Data hold function for freezing the desired value on display.
* Records Maximum and Minimum reading with Recall.
* Heavy duty & compact housing with hard carrying case, designed for easy carry out & operation.
* Auto shut off is available to save battery life.
* Application : Test swimming pool, municipal water, food and beverage water, or other aqueous solution where fluid clarity is important.

2. SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	LCD size : 41 mm x 34 mm
Range	Free chlorine (CL) : 0.00 to 3.50 ppm (mg/L). Total chlorine (CL) : 0.00 to 3.50 ppm (mg/L).
Resolution	0.01 ppm (mg/L).
Accuracy	± 0.02 ppm (mg/L). @ 1.00 ppm (mg/L)
Light source	LED, 525 nm.
Light detector	Photo diode
Response time	Less than 10 seconds.
Sample volume	10 mL.
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.

Method	The measuring method is an adaptation of the USEPA Method 330.5 and Standard Method 4500-Cl G. <i>* The reaction between free (total) chlorine and the DPD reagent cause a pink tint in the sample.</i>	
Display Sampling Time	Approx. 1 second.	
Power off	Auto shut off saves battery life or manual off by push button.	
Calibration points	Zero chlorine. 1.00 ppm (Free chlorine). 1.00 ppm (Total chlorine).	
Operating Temperature	0 to 50 °C .	
Operating Humidity	Less than 85% R.H.	
Power Supply	DC 1.5 V battery (UM4, AAA) x 6 PCs, or equivalent.	
Power Current	Stand by	Approx. DC 4 mA.
	Testing	Approx. DC 12 mA.
Weight	320 g/0.70 LB. @ Battery is included.	
Dimension	155 x 76 x 62 mm (6.1 x 3.0 x 2.4 inch)	
Accessories Included	<ul style="list-style-type: none"> * Hard carrying case, CA-08..... 1 PC * Instruction manual..... 1 PC * 1.0 ppm Free Chlorine standard solution, CF-01..... 1 PC * 1.0 ppm Total Chlorine standard solution, CT-01..... 1 PC * Zero Chlorine standard solution, CL-01..... 1 PC * Empty testing bottle..... 2 PCs * Clean cloth..... 1 PC * Free Chlorine DPD powder..... 10 PCs * Total Chlorine DPD powder..... 10 PCs 	
Optional Accessories	<ul style="list-style-type: none"> * Free Chlorine DPD powder (10 PCs), Model : CFP-10 * Total Chlorine DPD powder (10 PCs), Model : CTP-10 * Empty testing bottle, Model : 0601 * 1.0 ppm Free Chlorine standard solution, Model : CF-01 * 1.0 ppm Total Chlorine standard solution, Model : CT-01 * Zero Chlorine standard solution, Model : CL-01 	