

Free chlorine and Total chlorine measurement

CHLORINE METER

Model : CL-2006

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

CHLORINE METER

Model : CL-2006

FEATURES

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| * 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

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| 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. |

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| 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 | * 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 | * 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 | |