

Introducing a versatile, microprocessed colorimeter designed for both field and laboratory environments, specializing in the analysis of Free, Total, and Combined Residual Chlorine. The device accommodates liquid, powder, or tablet reagents for flexibility in testing. It offers dual measurement ranges, and is designed to be durable and field ready. It includes essential components such as cuvettes, adapters, USB cable, reagents, and a 2-year warranty against manufacturing defects, making it a comprehensive solution for reliable chlorine assessment in diverse settings.



### FEATURES

- Analysis of Free, Total, & Combined Residual Chlorine.
- UI with operational info in multiple languages.
- Liquid, powder, or tablet reagents
- Dual measurement ranges: 0.00 to 5.00 mg/L and 0.00 to 10 mg/L.
- ABS cabinet with IP-67 sealing for durability & protection.
- Follows DPD principle, adhering to method 4500-CL G in Standard Methods, offering accurate chlorine analysis.

### Technical Specifications

<b>Principle of Analysis</b>	Internal calibration curve by the DPD method – Diethyl 1-4 phenylene diamine sulfate, with the possibility for the user to remake the curve.
<b>Standardization</b>	Method 4500-CL G – Standard Methods for Examination of Water and Wastewater 22nd Edition (AWWA; WEF; APHA).
<b>Emission Source</b>	Light Emitting Diode (LED) Lamp
<b>Filter Bandwidth</b>	15 nm. Max
<b>Wave Length</b>	According to Standard Methods methodology.
<b>Optical Detector</b>	Silicon Photocell
<b>Ranges</b>	0 to 5 ppm (mg/L) , 0 to 10 ppm (mg/L)
<b>Photometric Accuracy</b>	± 0.0015 ABS.
<b>Absorbance Range</b>	0 to 2.5 ABS.
<b>Reading</b>	Manual or automatic mode with user-defined intervals (0 to 250 seconds) direct in mg/L and absorbance
<b>Sampling</b>	Programmable between 8 and 100 samples, with response time between 4 and 40 seconds.
<b>User Curves</b>	2 curves with up to 20 selectable points, allowing curve fitting and insertion with user or commercially available reagents.
<b>Display</b>	LCD It presents, among other information, diagnostics, error messages, calibration, battery status
<b>Keyboard</b>	Micro switch, high resistance without aluminum caps operation by 3 or 6 keys
<b>Memory</b>	Storage of the last 2000 sample readings, with visualization on the display.
<b>Auto Off</b>	Programmable from 1 to 60 min.
<b>Cabinet</b>	IP-67
<b>Operation Conditions</b>	Temperature 0 to 50°C and Relative Humidity 0 to 90% non-condensing
<b>Serial Output</b>	USB directly compatible with UniLIMS system and Windows/Linux/Mc OS operating systems via serial, with no need for any software or additional resources. Bluetooth (optional)
<b>Battery</b>	100~240Vac / 5 Vdc – 1A and 4 AA alkaline batteries (charge for at least 2000 tests).

CALL GEOTECH TODAY

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