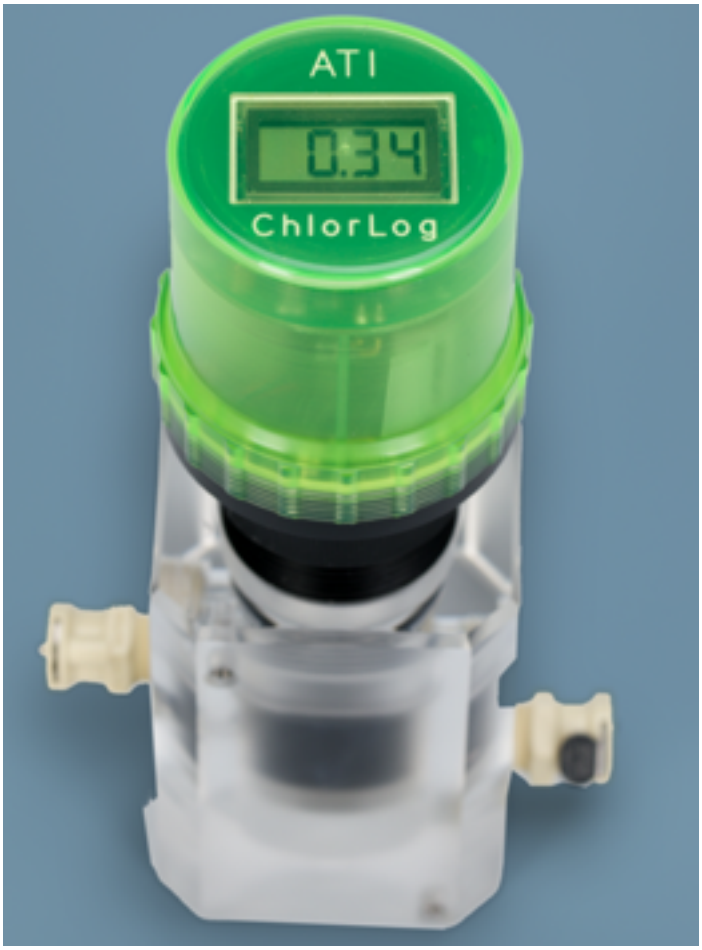
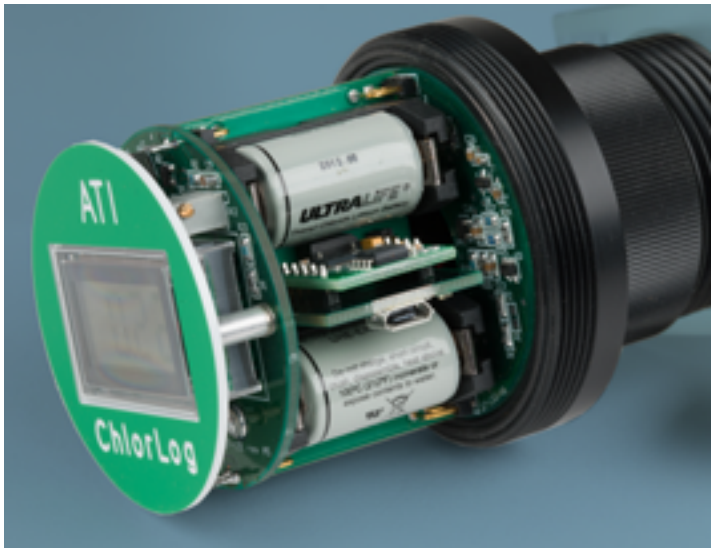
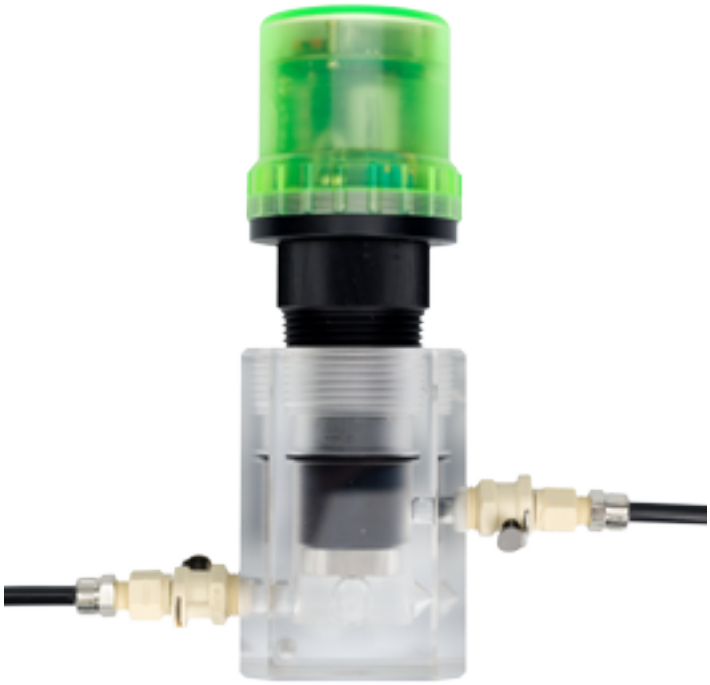
ChlorLog

Compact Residual Chlorine Data Logger







Gathering data on residual chlorine concentrations in remote parts of water distribution systems is increasingly important. Accurate data over extended periods provides the information needed to insure at least minimum disinfectant levels in all parts of a system.

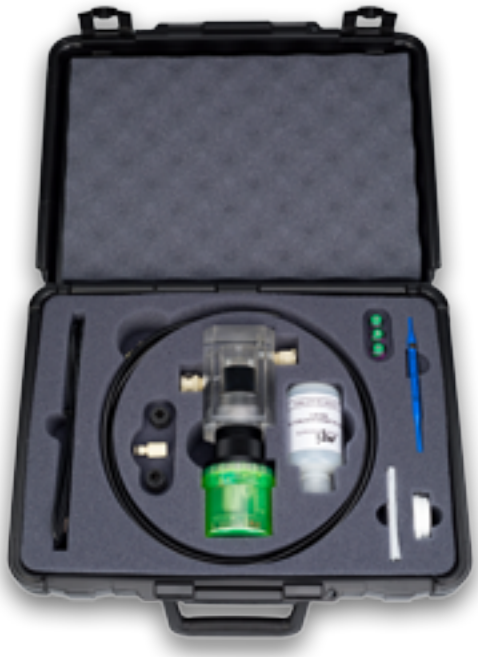
Until now, temporary chlorine residual measurement systems required the installation of standard chlorine monitors with high sample flow requirements, power connections, and separate data recording hardware. ATI has developed the "ChlorLog" to provide a compact, stand-alone measurement and logging system that can be used virtually anywhere. Sensor, electronics, data logger, and flowcell are combined in one assembly. All that's needed is sample connection. Even sample flow control is included as part of the flow assembly.

ATI
ANALYTICAL TECHNOLOGY, INC.

COMPACT RESIDUAL CHLORINE DATA LOGGER

CHLORLOG FEATURES:

- Continuous measurement of residual chlorine
- Sensor options for Free Chlorine, Combined Chlorine, or Total Chlorine.
- LCD display range of 0-5.00 ppm with 0.01 ppm resolution.
- Flowcell with integral 0.25 LPM flow control (4 GPH)
- Sample inlet pressure 1-60 PSI (0.1-4 bar)
- Reagent free amperometric membraned sensor.
- 4-6 Months operation on internal replaceable batteries.
- Programmable data storage interval from 1 second to once every 12 hours.
- 64,000 data points maximum.
- Free software for data download and graphing. USB download cable supplied with ChlorLog.



MEASUREMENT SPECIFICATIONS

Measurement	Free, Combined, or Total Chlorine
Description	Logging of Residual Chlorine in water
Typical Applications	Monitoring of potable water distribution systems to confirm disinfectant residual
Analysis Method	Amperometric (polarographic) membraned sensor
Measurement Range	0.00 – 5.00 ppm
Display Resolution	0.01 ppm
Accuracy	± 0.02 below 1 ppm, ±0.05 above 1 ppm
Repeatability	± 0.02 ppm
Zero Stability	± 0.02 ppm non-cumulative
Data Log Frequency	1 second to 12 hours, programmable
Data Storage	64,000 Measurements
Power	Three Internal ½ AA Lithium cells
Display	3 Digit LCD
Environmental Rating	Nema 6 (IP-68) Submersible
Size	Approx. 8"x3"x3" (200x75x75 mm)
Carrying Case Size	15"x12"x5" (381x305x127 mm)

SAMPLE REQUIREMENTS

Sample Inlet Pressure	1-50 PSI (0.1-4 bar)
Sample Temperature	1-50° C
Sample pH	pH 5-10
Suspended Solids	Sample filtered to less than 100 microns
Sample Flowrate	Fixed 250 ml/min. (4 GPH)
Inlet Connection	Quick-disconnect receptacle with valve
Drain Connection	Quick-disconnect receptacle with valve

ORDERING INFORMATION

00-1819	A22/62 ChlorLog for Free Chlorine
00-1820	A22/63 ChlorLog for Combined Chlorine
00-1821	A22/79 ChlorLog for Total Chlorine

Note: Each ChlorLog is supplied in a carrying case with spare membranes, electrolyte, O-ring kit, USB cable, calibration tool, and 5 foot (1.5 m.) inlet and outlet tube assemblies with valved quick-disconnect fittings. EasyLog software downloads from www.lascarelectronics.com.

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