inteliSYS
...enabling continuous water quality intelligence

chloroclam®

CLAMNET

The ChloroClam is part of the Clamnet system of sensors, telemetered data loggers and web portal. The ChloroClam can be used at hydrants or other convenient points on the watermains network to continually monitor and report chlorine residual data. The ChloroClam is an ideal component of any Smart Network for drinking water quality.



CHLOROCLAM

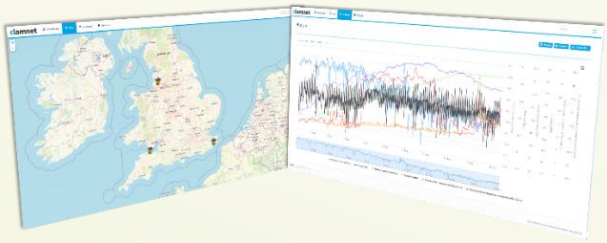
As a compact combination of a chlorine specific drinking water quality monitoring device with built in datalogger and telemetry, the ChloroClam, has been proving its worth for over 15 years. Improvements and updates now allow for a relay feature, pH sensor option and user servicing and calibration. Full training available.

Control of the clam unit can be completed using a Wi-Fi Interface Tool and any Wi-Fi enabled device eg a smartphone.

The low power consumption allows uninterrupted remote operation between the annual sensor service intervals. The bidirectional communications enables firmware upgrades, configuration changes and remote diagnostics as well as routine data uploads to the Clamnet Portal and instant alarming.

CLAMNET PORTAL

Data from the ChloroClam is stored and viewed on the secure Clamnet Portal. With flexible device management and visualisation tools the portal can manage large Clam fleets. Data can also be exported as CSV files or via our API for incorporating in corporate SCADA systems.



KEY FEATURES

- Access the water via hydrant point enabling rapid deployment and recovery
- Bi-directional 4G cellular communications for remote configuration, data upload and alarming
- Wi-Fi Interface device for local set up, control and data collection
- Design allows user servicing and calibration
- High accuracy industry standard membrane sensor
- Submersible robust IP68 enclosure
- Powerful Clamnet Portal data management and visualisation
- External connections for flow meters and other water quality sensors
- A cornerstone for water quality Smart Networks
- Being used by charitable aid organisations in many parts of the world to help ensure drinking water is safe

TECHNICAL SPECIFICATION – MODELS CC-A, CC-D

PARAMETER MEASUREMENTS

Chlorine	Free or Total Residual
Method/Type	Potentiostatic Membrane Sensor
Range	0.05 - 3.00 mg/l
Accuracy	± 5% of full-scale reading or ± 0.05 mg/l
Repeatability	± 0.05 mg/l
Resolution	0.01 mg/l

ENVIRONMENTAL

Waterproofing	IP68 (1m, 1hr)
Operating Temperature	0 - 40 °C
Storage	+5 to +40 °C
Mains Pressure	1 - 10 bar
Sample Flow	6 l/hr continuous

CALIBRATION

User Lab commissioning using hypochlorite solutionl
On-site against portable digital meter (e.g. Palintest Chlorometer Duo) after 30 mins.

COMMUNICATIONS

Cellular data	4G network
Modem	4G Internal antenna, external option

OPTIONAL SENSOR INPUTS

pH Sensor	Contact us regarding details or further option choices.
Flow Meter	4 - 20 mA, 0 -10V or pulse
Cl Flow Sensor	See separate data sheet

EMC

ChloroClam	EN 61326-1:2021
	EN 301- 489-1 vs1.6.1
	EN 301- 489-3 vs 1.4.1

INTERNAL POWER

2 x LSH20 3.6V High Discharge Lithium Ion Battery

WEIGHT

0.5 kg approx.

MEMORY

Up to 50,000 data points within the device

DIMENSIONS

Approx. 170mm height x 160mm diameter

DATA INTERVALS

Programmable between 1 minute and 1 hour

DATA STORAGE

Secure web portal on AWS, data can be extracted via API

Contact: info@intelisys.co.uk

Copyright Intelisys Limited 2026
Clamnet, Chloroclam and HydraClam are trademarks of Intelisys Limited
Users are responsible for evaluating individual product suitability for specific applications. Intelisys assumes no liability for any special, direct or consequential damages arising from the sale, resale or misuse of its products.