



Loopback SYSTEMS

QLOG™

UNIVERSAL CHLORINE, PH & TEMPERATURE DATALOGGER

BUILT IN CELLULAR ALARM DIALER VIA TEXT OR EMAIL

MANAGEMENT CLOUD DASHBOARD FOR DATALOGGING

OPTIONAL CHLORINE, PH SENSOR & SAMPLE SYSTEM



Features

- Verizon ready
- No contracts
- Three (3) analog inputs, three (3) digital inputs
- Verizon 3 year cloud service included
- "Grab N Go" cloud paperless recorder
- Data location from built-in GPS cloud monitoring/alarming service

Product Overview

QLog™ is a battery-powered or solar-powered field ready IoT based data logging system that provides paperless recording for continuous water quality monitoring of CT (contact time) for free or combined chlorine, PH and temperature.

This system records months of data which is archived in a CSV file that can be retrieved remotely from any PC, smartphone, or smart tablet.

The system comes with a friendly cloud interface that allows you to log in and view your remote analytical assets at any time. The dashboard provides you with a view & trending of your remote analytical measurements. You may also set key Hi or Low alarm points on your measurements that can easily notify the operator by way of text or email if a critical condition exists.

Configuration Diagram



The base system comes standard with three (3) analog inputs and three (3) digital/relay inputs. The relays can be set for Hi/Lo chlorine alarms. The digital inputs can detect on/off status or frequencies up to 2kHz. The analog inputs can be set to 1-5Vdc, or 4-20mA powered by the built-in battery pack.

QLog includes our 3+3 dashboard, which includes 3 years of historical trends and 3 years of Verizon Cell Dashboard service. There is no programming necessary to retrieve the data from QLog. Simply log into your account and your data will immediately show up on your personal dashboard. From there, you can assign users that will receive alarms based on the measurement of the sensors. QLog is also available with a complete sensor and sample system for your chlorine measurement applications.

Technical Specifications

Operating Temperature	-40 to +185°F (-40 to 85°C)
Humidity	0% - 100% condensing
Input Power	<ul style="list-style-type: none"> Four 3.6Vdc D size lithium thionyl chloride batteries Optional solar power Optional 120VAC power
Input/Output	<ul style="list-style-type: none"> 3 Relay Inputs (6A @ up to 250V AC) 3 Analog Inputs (4-20mA)
Battery Life	Up to 5 years
Data Interface	LTE CAT M1 MQTT Cellular
Cellular Radio Power	23dBm
Antenna Type	LTE w/ Internal GPS
Enclosure	Industrial polycarbonate UV rated; IP64
Electrical Connection	Pluggable push in terminal block for sensors local micro-USB configuration port
Weight	3lbs (≈1.4kg)

Dimensions

connected by **verizon** powered by **SIGNALFIRE**
— WIRELESS TELEMETRY —

