



Wave Systems, Inc.

pH Monitoring and Management Command Center for caustic and ascetic environments.

## The S.O.S. pH Detection Smart Operating System

The S.O.S. provides a low-cost solution to solve your control problems. It includes a data logger that can store as much data as can be fit onto the internal SD card (Years of Data). No other monitoring system packs so much capability into one small package at a great price. For operators of small industrial or municipal systems that think SCADA means expensive, the S.O.S. monitoring center may be the perfect fit to both your control and your budget.

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## Waste Water Monitoring & Management Solutions



## The S.O.S. Is a web based solution designed for an ever growing industry.

### Remote Features Include

- Easy network enabled setup.
- Password protected data collection and remote viewing.
- E-mail & SMS notifications alert users to an alarm or relay condition.
- Data logging onto micro SD card or downloading from web via smartphone, tablet, or PC.



S.O.S. comes pre-configured for a DHCP network connection. Static IP and Cellular solutions options also available.

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### Omni-Glow™

All of our process control centers come standard with the Omni-Glow alerts. The SOS will be illuminated with a blue glow when pH levels are in range. When the pH levels reach the High & Low value trip points, the SOS Center will turn from blue to red. An audio alarm will also sound to notify the end user that the pH is out of range.



## Water Management and Process Control Center

The Wave Smart Operation System offers a breakthrough in process control. It has the functionality of a PLC and a SCADA all in a compact package. The S.O.S. command center is fully web integrated. The web-based set-up wizard makes it easy and convenient to set up and configure from the convenience of a laptop, tablet or cell phone. E-mail or text notifications are a snap, and the unit status can be viewed from any browser after providing a username password.

## Applications & Process Control Options

- *Accurate differential measurement*
- *Analytical (pH, ORP, DO, FC etc.)*
- *Process (pH, temperature, pressure, flow control, etc.) instrumentation available.*
- *Flow-thru, Hot-tap or submersible mounting options.*
- Fixed & Variable sensor insertion

## S.O.S. Cellular Solutions

The Cellular Solution(CS) option includes a cellular modem that transmits its web interface through a Verizon cellular network at a low cost of about \$10/month. Other carriers are available upon request. To insure that the CS is always up and running the CS includes a battery back-up for brief operation after a power outage. All of this fits into a compact NEMA 4X enclosure with a clear hinged cover that allows the user to easily access the controller. The CS is perfect for monitoring pH levels in tanks and totes that are not easily accessed with limited infrastructure.