

sensorlogger™ system

displays, logs, and powers pHionics' water quality transmitters for as long as ten years on one 'C-size' battery



features

- 12-bit datalogging -- 5 second to 12 hour intervals can record over ten years of data
- NEMA 4X enclosure and IP68 connections
- compact size -- 4.7 x 3.2 x 2.4 (120mm x 80mm x 60mm) -- can be handheld or readily hidden in the field for unattended logging
- single channel or dual channel -- can power and log pHionics' water quality transmitters for over ten years with one 'C-size' battery
- pH, conductivity, ORP, dissolved oxygen, temperature and various specific ions
- micro-powered sensor/transmitters are always on -- no concerns about warm-up times
- IP68 watertight connectors on datalogger and sensor/transmitters allow for quick connection -- cannot be connected incorrectly
- high resolution read-out
- non-volatile data storage -- can be viewed graphically with included software -- or exported for more complex analysis
- easy to use -- can be programmed for push-to-start, delayed start -- simple, and accurate, two-point calibration of sensor/transmitters
- SOFTWARE INCLUDED!

description

The SL series of dataloggers are a small, rugged package (NEMA 4X, IP68 rated) designed to take advantage of pHionics' patented micro-powered STs series of integrated, water quality sensor/transmitters. The sensorlogger™ provides the power, an autoranging display, and the capability of logging the sensor/transmitters for intervals ranging from one reading every five seconds to one reading every 12 hours. This can record data for half-a-day to 4000 days! Over ten years -- on one 'C-size' battery! The units are available in a single channel -- the SL-1, or, a dual channel version -- the SL-2 (powers, logs, and displays two sensor/transmitters simultaneously).

When combined with pHionics' thirty years of analog water quality design experience -- the sensorlogger™ system, and, the STs series of sensor/transmitters add up to a very powerful combination for water quality monitoring, 3-D field studies, determination of bioremediation effectiveness, groundwater monitoring, lake, stream and ocean monitoring, illegal discharge sleuthing (easily hidden in man-holes), municipality and aquaculture oxygenation optimization, etc., etc., etc....

As are all of our products -- designed for ease-of-service, ease-of-application, and, of course, dependability!



sl-1 single channel



sl-2 dual channel

pHiKEC™, pHiKUP™, and sensorlogger™ are trademarks of pHionics Inc.. The pHiKEC™ connector system is covered by U.S. Patent Nos. 6,331,117, 6,612,848 and various patents pending. The pHiKUP™ array system is patent pending.
voice: 925-692-0080, fax: 925-692-0081, 800: 800-964-0063, e-mail: sales@pHionics.com

up to ten
years of operation with
only one 'C-size'
battery



removable lanyard

ordering information

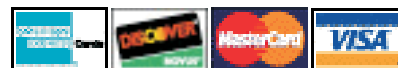
Model	channels	input (pHionics' sensor/transmitter)
SL-1	1 (A)	STsxxxV series (see below)
SL-2	2 (A and B)	STsxxxV series
Compatible sensor/transmitters		
Model	parameter measured	
STs1010V-0033c	pH with 10 meter cable (33 feet) and weather-tight connector – denoted by 'c' suffix	
STs2010V-0033c	ORP (33 ft cable)	
STs3xxxV-0033c	various specific ions – specify 'xxx' for type (33 ft cable)	
STs4xxxV-0033c	conductivity – specify 'xxx' for range (33 ft cable)	
STs6010V-0033c	dissolved oxygen (33 ft cable)	
Spare parts		
SCxxx	Replacement sensor cartridge – specify 'xxx' for parameter	
CBLs0033c	Cable assembly for STs series, 33ft (10 meters) with connector	
CBLsnnnnc	Cable assembly, replace 'nnnn' with desired length in feet	
CBL232c	rs-232 communication cable with weather-tight connector	
BATT360C	'C-size' 3.6 vdc lithium battery	
Miscellaneous parts		
CMP34SS	Compression fitting for insertion/submersion applications	
CMP34SS/ab	CMP34SS with anti-blowout ring for pressurized insertion apps	
pHiKUP/k1	Basic pHiKUP kit for combining 2 or 3 sensors in a polar array	

For more information, contact your pHionics representative at:

pHionics, inc.
www.pHionics.com
1-800-964-0063

sensorlogger™ system specifications

Enclosure	ABS (NEMA 4X, IP68 connectors)
Lanyard (removable) for carrying or hanging	Nylon coated, SS wire
Size	120 x 80 x 60 mm (4.7 x 3.2 x 2.4 inches)
Weight (including battery)	375 grams (13.3 ounces)
Operating temperature	-20 to 60 °C
Battery (included)	3.6 V 'C-size' lithium 7.2 A/hr
Battery life	up to ten years (pH, ORP, dissolved oxygen, specific ions) up to four years with conductivity sensor/transmitter
Communication	rs-232 (com 1, 2, 3, or 4) 1200, 2400, 9600, or 19200 baud
Resolution	12-bit
Display	autoranging, 4 digit
Display digit height	SL-1 13 mm (0.50 inch) SL-2 7.5 mm (0.30 inch) -- both channels displayed simultaneously
Memory	non-volatile flash memory
Channels	SL-1 1 channel SL-2 2 channel
Channel input	pHionics STsxxxV series of sensor/transmitters
Data storage	8000 data points per channel time and date stamped -- can be wrapped or stopped when logger is full
Log interval	every 5 seconds to every 12 hours (records from 11.1 hours to 4000 days)
Clock	synchronizes with time and date of programming computer
Alarms	hi and low alarms, and low battery are time and date stamped -- and indicated on the display, and graphically with the included software
Software	Included. Compatible with most Windows® operating or emulating systems



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