

STELTEC INC. HL1

DISINFECTION/DECHLORINATION/
ORP/pH CONTROLLER



Introduction

The HL1 is the newest product for StelTec Inc. Its modular design and advanced features meet today's water industry needs at the touch of your finger.

Designed by former STRANCO employees with over 14 years of experience. People that know what it takes to be the best when it comes to disinfection and dechlorination.

The 65,536-color touchscreen HMI enables the display of color-coded operator instructions and red, attention-grabbing alarm screens. It can also display real-time graphs according to current values and reflect trends of recorded data for later use.

Inputs:

- 120/240 VAC, single phase, 50/60Hz.

- ORP or pH sensor connected directly or through remote pre-amp. Sensor input is isolated. Sensing accuracy $\pm .1\%$ per year.
- Range -1000 to 1000 mV or 0.0 to 14.0 pH units.
- 100 ohm RTD temperature sensor for pH compensation (DIN .3850 standard).
- $4-20$ mA analog input. Required for NTL control or to data log any $4-20$ mA input signal if NTL is not used.

Outputs:

- Fully rangeable, $4-20$ mA recorder output with ± 0.02 mA accuracy. Used with devices up to 1000 ohms.
- 6 relay outputs
- 2 Analog outputs
- Control modes:
 - Time Base Proportional.
 - $4-20$ mA, NTL.
 - Monitor Mode
- General alarm relay.
- Loss Of Flow Relay
- $120/240$ VAC, 5 amp relay for automatic sensor clean.
- SD Card data Log. (holds years worth of Data)

Communications:

- Built in Web Server. (See the controller from any Internet web browser)
- MODBUS support
- Configuration and downloading SD card
- Ethernet

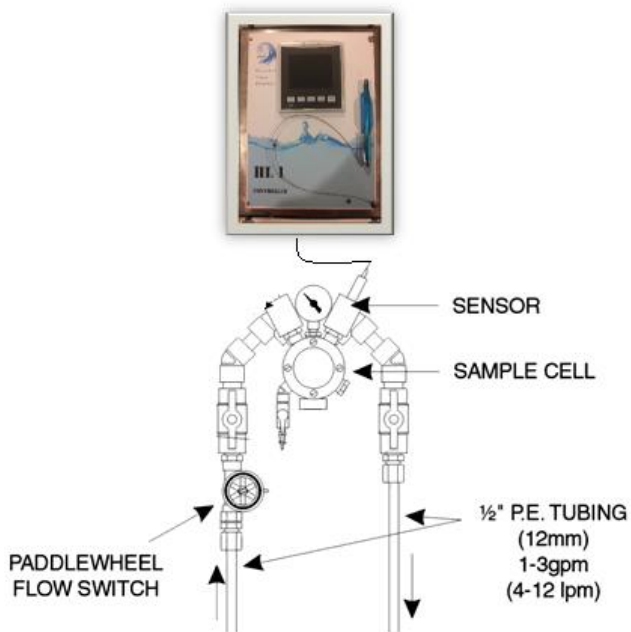
Options

- ORP or pH sensors.
- Flowcell or Submersible sensor assemblies.

- Automatic sensor wash system.

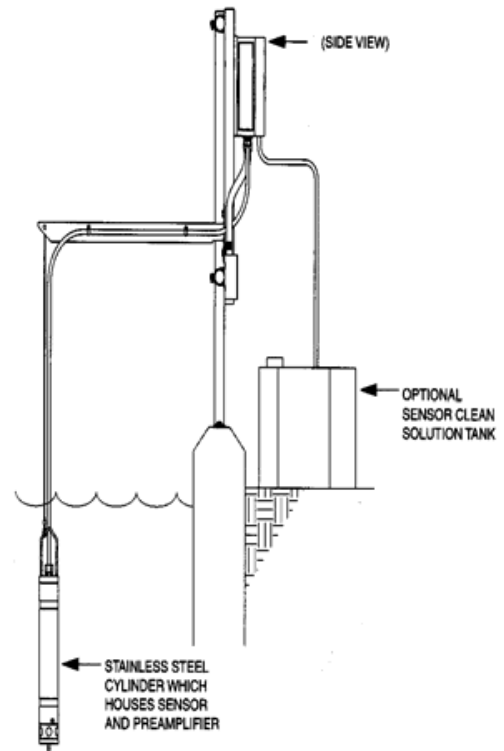
Industrial Applications

- Air Washers
- Pasteurizers
- Cooling Towers
- Garment Drying Equipment



Wastewater Applications

- Monitoring Headworks
- Wastewater Aeration
- Biological Nutrient Removal
- Disinfection/Dechlorination



The information in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed to in the terms of a contract.

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