

## CLX-XT2 Extended Reagent Life OnLine Chlorine and TRO Monitor

The HF scientific CLX-XT2 Extended Reagent Life OnLine Chlorine and TRO Monitor is an economical and low maintenance instrument for shipboard ballast water, potable water or wastewater applications that require continuous monitoring and control of Total Chlorine or Total Residual Oxidant (TRO) levels. This marine grade monitor allows for up to 90 days of unattended operation. Features include user selectable sample cycle times, 4-20mA and RS-485 with Modbus output that can be used to control feed pumps and user selectable alarms allow complete manual or automatic control of dosing as well as monitoring of ballast water discharge. The monitor is housed in a strong, coated steel IP56 (except fan IP54) case with easy access to all service functions and reagents.



**High range to  
15mg/l (option)**

### Standard Features

- **Optimized for high temperature marine applications**
- **Use in areas of high ambient temperatures up to 55°C**
- **Total chlorine**  
Can be used for Total Residual Chlorine and Total Residual Oxidant (TRO) measurements
- **Low operating costs**  
Cooling effect can extend reagent life to 3 months\*
- **Low maintenance**  
Designed for unattended operation up to 90 days\*
- **Colorimetric DPD chemistry**
- **Cycle times**  
Cycle times can vary between 110 seconds to 10 minutes (optional 60 seconds to 10 minutes) Other cycle times available up to 3600 seconds (1 Hour). Consult Factory.
- **Alarms**  
Two user selectable alarms for sample concentration
- **Ballast Water Treatment, Drinking Water, Wastewater and More**
- **4-20mA and RS-485 with Modbus**
- **NEW! - High range to 15 mg/l (option) ± 10% accuracy**

### Ordering Information

Cat. No.	Description
28033	CLX-XT2 Extended Reagent Life OnLine Total Residual Chlorine Monitor complete with operating manual. Reagents must be purchased separately.

### Accessories / Options

Cat. No.	Description
09950XT2	Replacement tubing/cuvette kit
28895	High range option. 0-15 mg/l
28896	60 second to 10 minute cycle time
25264	Remote standby
25279	Auto drain



### Specifications

Range:	0 - 10 mg/l. 0-15 mg/l available.
Cycle time:	User selectable: 110 seconds - 10 minutes Optional: 60 seconds - 10 minutes. Other cycle times available up to 3600 seconds (1 Hour). Consult Factory.
Accuracy:	0 - 6 mg/l - ±5% or 0.03 mg/l of Cl <sub>2</sub> whichever is greater 6 - 10 mg/l - ±10%. High Range option 0-15 mg/l, ±10%
Resolution:	0.01 mg/l
Method:	USEPA accepted DPD method of analysis for measuring Total Residual Chlorine
Standard outputs:	4-20 mA and RS-485 with Modbus
User alarms:	2 user selectable alarms for sample concentration
Operating temperature:	0° - 55°C (32° to 131°F)
Sample input pressure:	0.3 bar - 10.3 bar (5 - 150psi)
Enclosure:	IP56 (except fan IP54)
Power:	100 - 240 VAC Auto Switchable 47-63hz
Certifications:	CE,UL, CSA, (ETL, ETLc)
Flow rate to waste:	200-400 ml/min
Shipping dimensions	52mm X 52 mm X 33 mm (20 1/2" X 20 1/2" X 13")
Shipping weight:	TBD Reagents are shipped separately
Actual weight:	11.8 kg (26 lbs.)
Dimensions:	41.4cm x 47.1cm x 21.6cm (16.3" x 18.6" x 8.6")

Specifications subject to change without notice.

### Reagent Kit

	Cat. No.
Total Chlorine reagent for CLX-XT 12 month supply	09991

(based on estimated BWTS operational cycles)

\*Depending on sample cycle time at ambient temperatures up to 50°C



CLX-XT2 with door open