

## CLX-Ex OnLine Residual Chlorine Monitor for hazardous environments

The HF scientific CLX-EX OnLine Residual Chlorine Monitor is a rugged, safe, and low maintenance instrument for shipboard ballast water treatments systems that require continuous monitoring and control of residual Total Chlorine levels in hazardous environments. User selectable cycle times, 4-20mA and RS-485 with Modbus output that can be used to control feed pumps and a user selectable alarm allows complete manual or automatic control of chlorine dosing.



### Standard Features

- **Optimized for marine applications**
- **Use in atmospheres where combustible fuel vapors may be present**  
Housing certified for ATEX, and Zone 1 and Zone 2
- **Total chlorine**  
Can be used for Total Chlorine measurements
- **Able to operate in ambient temperatures up to 55°C**
- **Low operating costs**  
Low reagent use translates into low operating cost
- **Simple operation**  
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)
- **Alarms**  
User selectable alarm for sample concentration
- **Ballast water treatment, Drinking water, Wastewater and more**
- **4-20mA and RS-485 with modbus**
- **ATEX certified**
- **Suitable for Zone 1 and Zone 2 environments**
- **USEPA accepted method**

### Specifications

Range:	0 - 10 mg/l
Cycle Time:	User Selectable: 110 seconds - 10 minutes Optional: 60 seconds - 10 minutes
Accuracy:	0 - 6 mg/l - $\pm 5\%$ or 0.03 mg/l of Cl <sub>2</sub> whichever is greater 6 - 10 mg/l - $\pm 10\%$
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 Alarm:	User selectable alarm for sample concentration
Operating Temperature:	0° - 55°C (32° to 131°F)
Sample Pressure:	0.3 bar - 10.3 bar (5 - 150psi)
Compressed Air Pressure:	5.5 - 7 bar (80 - 101.5 psi)
Enclosure:	IP66
Power:	240 VAC (130 to 240VAC), 47-63 Hz, 250VA
Certifications:	CE, ATEX
Flow Rate to Waste:	200-400ml / min
Shipping Dimensions	558mm X 662 mm X 400 mm (22" x 24 1/2" x 15 3/4")
Shipping Weight	38 kg (83 lbs.) Reagents are Shipped Separately
Actual Weight	26.3 kg (58 lbs.)
Installed Dimensions	19.7" x 18.7" x 9.4" (50cm x 48cm x 23.8cm)

Specifications subject to change without notice.

### Ordering Information

Cat. No.	Description
28031	<b>CLX-Ex</b> OnLine Chlorine Residual Monitor 240VAC for Total Chlorine complete with operating manual. Reagents must be purchased separately.

### Reagent Kits

Catalog number

Total Chlorine reagent for CLX-EX 12 month supply	09991
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(based on estimated BWTS operational cycles)

### Accessories

09950	Replacement tubing/cuvette kit
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