

CLX-Ex2 OnLine TRO and Chlorine Monitor for hazardous environments

The HF scientific CLX-Ex2 OnLine TRO and Chlorine Monitor is a rugged, safe, and low maintenance instrument for shipboard ballast water treatments systems that require continuous monitoring and control of Total Residual Oxidant (TRO) 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.



High Range to 15 mg/l (option)!

Standard Features

- **Optimized for marine applications**
- **Use in atmospheres where combustible fuel vapors may be present**
Housing certified for IECEx and Zone 1 and Zone 2
- **Total chlorine**
Can be used for Total Chlorine and TRO 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 60 seconds to 10 minutes
- **Alarms**
User selectable alarm for sample concentration
- **Ballast water treatment, Drinking water, and Wastewater.**
- **4-20mA and RS-485 with modbus**
- **IECEX certified**
- **Suitable for Zone 1 and Zone 2 environments**
- **NEW! - High range to 15 mg/l (option) ± 10% accuracy**



Specifications

Range:	0 - 10 mg/l
Cycle Time:	User Selectable: 60 seconds - 10 minutes
Accuracy:	0 - 6 mg/l - ±5% or 0.03 mg/l of Cl ₂ 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 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, IECEx
Flow Rate to Waste:	200-400ml / min
Shipping Dimensions	93 cm X 62 cm X 32 cm (36.5" x 24.5" x 12.5")
Shipping Weight	32 kg (70 lbs.) Reagents are Shipped Separately
Actual Weight	26.3 kg (58 lbs.)
Dimensions	47.5 cm x 62 cm x 23.7 cm (18.6" x 24.5" x 9.3")

Specifications subject to change without notice.

Ordering Information

Cat. No.	Description
28034	CLX-Ex2 OnLine TRO and Chlorine Residual Monitor 240VAC complete with operating manual. Reagents must be purchased separately.

Accessories / Options

09950	Replacement tubing/cuvette kit
28895	High Range Option. 0-15 mg/l

Reagent Kits

Catalog number

Total Chlorine reagent for CLX-EX2 12 month supply	09991
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(based on estimated BWTS operational cycles)

