

CLX OnLine Residual Chlorine Monitor

The HF scientific CLX OnLine Residual Chlorine Monitor is an economical and low maintenance instrument for municipal, chemical, or industrial processes that require continuous monitoring and control of residual Free or Total Chlorine levels. User selectable 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 chlorine dosing. The instrument is housed in a strong, shatterproof case with easy access to all service functions and reagents.



Standard Features

- **Free or Total Chlorine**
Can be used for Free or Total Chlorine measurements
- **Low Operating Costs**
Low Reagent use translates into low operating cost
- **Simple Operation**
Designed for unattended operation up to 30 days
- **Colorimetric DPD Chemistry**
Uses inexpensive DPD chemistry rather than expensive electrodes
- **User Selectable Cycle Times**
Cycle times can vary between 110 seconds to 10 minutes (optional 60 seconds to 10 minutes, consult factory)
- **Microprocessor Based Technology**
Microprocessor based technology ensures high quality at the industry's lowest price
- **Alarms**
Two User Selectable Alarms for Sample Concentration
- **Drinking Water, Wastewater, Reuse Water, and More**
- **4-20mA and RS-485 with Modbus**
- **USEPA Accepted Methodology**
Standard Method 4500-Cl₂ G, DPD colorimetric method

Ordering Information

Cat. No.	Description
20040	CLX OnLine Chlorine Residual Monitor for Free or Total Chlorine. Complete with Operating Manual. Reagents must be purchased separately. If the application combines high humidity with cold sample water, purchase a #09944 Desiccant Cartridge separately.

Accessories

Cat. No.	Description
09950	Replacement tubing/cuvette kit



CLX
with cover
removed showing
reagent bottles

Specifications

Range:	0 - 10 mg/l
Cycle Time:	User Selectable: 110 seconds - 10 minutes Optional: 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%
Resolution:	0.01 mg/l
Method:	USEPA accepted DPD method of analysis for measuring Free or Total Residual Chlorine
Standard Outputs:	4-20 mA and RS-485 with Modbus
User Alarms:	2 User Selectable Alarms for Sample Concentration
Operating Temperature:	See note below*
Input Pressure:	0.3 bar - 10.3 bar (5 - 150psi)
Enclosure:	ABS Plastic, IP66
Power:	100 - 240 VAC Auto Switchable 47-63hz
Certifications:	CE, UL, CSA, (ETL, ETLc)
Shipping Dimensions:	16" x 16" x 10" (41cm x 41cm x 26cm)
Shipping Weight:	8 lbs (3.6kg)
Actual Weight:	6 lbs (2.7kg)
Dimensions	12.82" x 12.25" x 5.06"
Flow Rate to Waste:	200-400 ml/min
Warranty:	Two Years

Specifications subject to change without notice.

* Operating temperature of CLX Monitor 0° - 55°C
Operating temperature for 30-day reagent life < 40°C
Reagent life will be <30 days operating monitor above 40°C

Kit Reagents

	Cat. No.		
	J.A.W.*	Dry**	Liquid
Free Chlorine 30 day supply	09951	09947X	09947
Total Chlorine 30 day supply	09952	09948X	09948
Free Chlorine 60 day supply	09953	N/A	09935
Total Chlorine 60 day supply	09954	N/A	09936
Free Chlorine 12 month supply	09955	09937X	09937
Total Chlorine 12 month supply	09956	09938X	09938

*Just Add DI Water (and supplied DPD reagent)
**User must add Sulfuric Acid, Sodium Hydroxide and DPD reagent before use