

# HF scientific, inc.

*Clean Water Through Innovative Technology*

## CDX

### OnLine Residual Chlorine Monitor

- Free or Total Chlorine
- Low Operating Costs
- Simple Operation
- Colorimetric DPD Chemistry
- User Selectable Cycle Times
- Drinking Water, Wastewater and More
- Two User Selectable Alarms
- 4-20 mA and RS-485 with Modbus



The HF scientific CDX OnLine Residual Chlorine Monitor is an economical and low maintenance instrument for chemical or industrial processes that require continuous monitoring and control of residual Free or Total Chlorine levels. Unattended operation and low chemical usage equates to low operating and maintenance costs. 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.

# CLX OnLine Residual Chlorine Monitor

## Specifications

Range:	0 - 6 mg/l: Displayed 0 - 10 mg/l
Cycle Time:	User Selectable: 90 seconds - 10 minutes
Accuracy:	±5% or 0.03 mg/l of Cl <sub>2</sub> whichever is greater
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:	5° - 40°C (41° to 104°F)
Input Pressure:	1 - 200psi
Enclosure:	ABS Plastic, Nema 4X, IP66
Power:	100 - 240 Volt Auto Switchable 47-63hz
Certifications:	CE,UL, CSA, (ETL, ETLc)
Shipping Dimensions:	16" x 16" x 10" (41cm x 41cm x 26cm)
Shipping Weight:	TBA

## 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 of pennies a day.
- **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 90 seconds to 10 minutes
- **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 and More**
- **4-20mA and RS-485 with Modbus**
- **USEPA Accepted**

## 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
-------	--

## Accessories / Spares

09935	Kit Reagent - Free Chlorine 60 day supply
09936	Kit Reagent - Total Chlorine 60 day supply
09939	Replacement Tubing/Cuvette Kit
24437S	Flow Through Cuvette (spare)
24474S	Check Valve



CLX

with open cover  
showing reagent bottles

**HF scientific, inc.**  
3170 Metro Parkway  
Ft. Myers, FL 33916-7597  
Phone: (239) 337-2116  
Fax: (239) 332-7643  
Email: [info@hfscientific.com](mailto:info@hfscientific.com)  
[www.hfscientific.com](http://www.hfscientific.com)

Represented by: