

CLX OnLine Residual Chlorine Monitor

The HF scientific CLX 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. 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)
- **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 Methodology**
Standard Method 4500-Cl G, DPD colorimetric method
- **Certifications**
Lloyds Register Test Specification for Vibration and 22 Degree Tilt Test En 60954: 2002 Section 8.2, 8.4, 8.7, Specification test No1: Section 14
IEC 6-parameter Environmental Marine Test for high humidity, high temperature (86°C), low temperature (-5°C), salt spray
- **Certified by ABS (American Bureau of Shipping) for marine use**



High range model now available (0 - 15mg/l)!

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) |
| Installed Dimensions | 12.82" x 12.25" x 5.06" |
| Flow Rate to Waste: | 200-400 ml/min |

Specifications subject to change without notice.

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

Cat. No.

Kit Reagents

| | 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 Water (and supplied DPD reagent)

**User must add Sulfuric Acid, Sodium Hydroxide and DPD reagent before use

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

| | |
|-------|--------------------------------|
| 09950 | Replacement tubing/cuvette kit |
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CLX
with cover
removed showing
reagent bottles