



## **FX-1000P-B Bufferless Amperometric Chlorine Analyzer**

The Foxcroft FX-1000P-B Bufferless Chlorine Residual Analyzer is environmentally friendly, requiring absolutely no chemicals or reagents.

Designed to operate continuously for years in typical process environments, the FX-1000P-B utilizes the most accurate online test method to determine Free chlorine residual levels in potable water, similar to that used in lab environment titrator test methods.

Residual readings are instantaneous and do not rely on "sample and hold" methods; making it an excellent choice for your chlorine control or monitoring applications. The continuous 4-20 milliamp output signal can be used to drive chlorine residual, trigger an autodialer in remote or off-hour situations, or communicate with a SCADA system.

The measuring cell design incorporates several features to ensure accurate readings. Features include; high-grade bare gold and copper electrodes rather than a membrane that can foul or clog, fixed sample rates and continuous cell mixing and cleaning. Solid-state analog electronics provide stable, drift free, residual readings and output signals. Electronic isolation eliminates problems from "ground-loop" and ensures operator safety.

### **PRODUCT FEATURES**

- EPA approved online amperometric test method
- No toxic discharge or permit requirements
- True amperometric test method
- Constantly measures free chlorine residuals
- Application: Drinking water
- Simple to calibrate and operate
- Low maintenance design
- Continuous, isolated, 4-20 milliamp output signal, suitable for control or monitoring applications
- Built-in high and low alarm relays
- Field-adjustable range
- High range capabilities to 60 PPM (mg/l) without dilution and higher with optional dilution panel



**FX-1000P-B  
Bufferless Amperometric  
Chlorine Analyzer**

**SPECIFICATIONS**

**GENERAL**

Type of Measurement:	Amperometric, free chlorine
Readout:	Digital, red L.E.D.
Instrument Ranges:	Field adjustable from 0-0.1 to 0-60 PPM (mg/l), factory set for 0-5 PPM
Resolution:	0.001PPM (mg/l) for ranges to 0.5 PPM, or 0.01 PPM (mg/l) for ranges above 0.5 PPM
Sensitivity:	0.001 PPM (mg/l)
Accuracy:	+/- 0.25% of full scale
Repeatability:	0.004 PPM (mg/l) or 1% of full scale, whichever is greater
Stability:	+/- 1% of full scale per month
Speed of Response:	4 seconds from sample entry to display and signal response
Full Scale Response:	1.5 to 2 minutes
Sample Temperature:	32-120° F (0-49° C)
Sample Flow Requirements:	250 ml/min minimum (includes overflow)
Sample Cell Use:	120 ml/min., fixed
Sample pH:	4.0 to 8.0, must not vary more than +/- .05
Sample Alkalinity:	less than 125 ppm (total)
Sample Turbidity:	Less than 250 NTU
Buffer Requirements:	None required

**ELECTRICAL**

Power Requirements:	120 Volts AC, 60 hz., 30 watts; 220 VAC, 50 hz optional
Alarm Relays:	2 SPDT, contact rating 1 amp @ 120 Volts AC
Signal Output:	Isolated 4-20 milliamps DC, 600 ohms load max.
Electrical Isolation:	to 750 volts RMS

**MECHANICAL**

Instrument Mounting:	Wall Mount
Buffer Mounting:	1 gallon bottle wall bracket, included
Electronics Enclosure:	NEMA 4X
Sample Line:	1/4" x 3/8" flexible PVC tubing, 6 feet included
Drain Lines:	5/8" x 3/4" flexible PVC tubing, two 3 foot pieces included
Overall Dimensions:	12" high x 16" wide x 6" deep (approx. plus mounting tabs)

Warranty One year from date of factory shipment

**Distributed By:**



PO Box 39  
2101 Creek Road  
Glen Moore, PA 19343  
(610) 942-2888  
(800) 874-0590  
fax: (610) 942-2769  
www.foxcroft.com