

FX-1000p-B Bufferless Chlorine Analyzer Specifications

Operational

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| Type of Measurement | Amperometric (free chlorine) |
| Measuring Ranges | 0-5.00 ppm (mg/l) factory-set range; Field adjustable from 0.5 to 60 ppm (mg/l) |
| Display | Three-digit LED; 0.56 in. (14 mm) high |
| Ambient Conditions | 32-120°F (0-49°C); 0-95% relative humidity, non-condensing |
| Analog Output | One isolated 4-20mA (600 ohms max. load) |
| Relays | Two electromechanical relays (high and low alarms); SPDT (form C) contacts; rated 1A @ 120VAC |
| Power Requirements | 100-130 VAC, 50/60 Hz. (30 watts); optional 200-240 VAC, 50/60 Hz. |



Sampling

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| Sample Temperature Range | 32-120°F (0-49°C) |
| Sample Flow Rate | 150-1000 ml/min. (500 ml/min. recommended) |
| Sample Supply | Where sample flow is interrupted, provisions must be made to keep the electrode wet |
| Sample pH Range | 4.0-8.0 pH - must not vary >.05 +/- |
| Sample Alkalinity Range | Less than 125 ppm total (mg/l) |
| Sample Turbidity Limit | Less than 250 NTU |
| Electrode Materials | Cathode (measuring): Gold (23.95 K) Anode (reference): Copper (99.9%) |

Performance

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| Sensitivity | 0.001 ppm (mg/l) |
| Accuracy | +/- 2.0% of full scale |
| Repeatability | .01 ppm (mg/l) or 1% of full scale, whichever is greater |
| Stability | +/- 2% of full scale per month |
| Response Time | 4 second from sample entry to display indication |
| Full Scale Response | 1.5 to 2.0 minutes |

Mechanical

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| Enclosure | NEMA 4X; fiberglass; surface mount |
| System Net Weight | 14.8 lbs. (6.7 kg) approximately |
| Sample Inlet Line | 3/8" od x 1/4" id clear flexible PVC hose, 3 ft. (1m) long |
| Drain Lines | Two 3/4" od x 5/8" id, clear flexible PVC hoses, 3 ft (1m) long each |

