

Mini ChlorAm

Chloramination Analyzer

The ChemScan mini ChlorAm Chloramination Analyzer provides operators with timely process chemistry measurements to optimize the challenging chloramination process. The analyzer provides data to ensure proper disinfectant while minimizing disinfection by-products (DBPs) and nitrification potential in drinking water distribution systems. This reduces the need for frequent manual sampling or laboratory analysis while producing the best water quality. The mini ChlorAm Analyzer is well suited for drinking water and wastewater chloramination applications.

The mini ChlorAm Analyzer monitors multiple parameters in the Chloramination process; Monochloramine, Total Ammonia, and Free Ammonia, while calculating the Cl₂:N ratio.

The analyzer utilizes 15 years of ChemScan Chloramination experience and proven technology. Unlike other analyzers, no mandatory service contract is required.

Features

- ◆ Low maintenance
- ◆ Proven sample handling with large sample lines to minimize blocking
- ◆ Easy to maintain with intuitive sample flow
- ◆ Components are designed for easy accessibility
- ◆ Integrated self cleaning to remove buildup in flow cell and sample lines
- ◆ Simplified analysis cycle reduces the number of moving parts
- ◆ Field analysis utilizing proven methods
- ◆ Sample blank to eliminate background interference
- ◆ Simple field adjustable calibration

Benefits

- ◆ Reliable chloramination process control to minimize DBP's
- ◆ Minimized dichloramine to reduce taste and odour complaints
- ◆ Reduced need for frequent laboratory analysis
- ◆ Lowest capital and operational cost
- ◆ No service contract required
- ◆ Automatic Analysis
- ◆ Continuous Output
- ◆ Multiple Data Communication Interface Options
- ◆ Wastewater Effluent

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Technical Specifications

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|----------------------------|---|
| Range | Monochloramine 0.02 - 5.00 mg/L Total Ammonia 0.02 - 3.00 mg/L Free Ammonia 0.025 - 2.00 Mg/L Cl ₂ :NH ₃ -N Ratio 0-25 |
| Accuracy | 2% of value or 2x detection limit (whichever is greater) |
| Response Time | 19 minutes with 9 minute updates |
| Environment | 5° - 45°C (Temperature-Controlled) Outdoor Enclosure Optional |
| Power | 120-240 VAC ±10%, 50-60 Hz, 70 VA |
| Enclosure | Upper Enclosure: NEMA 4X (Fiberglass Reinforced Plastic) Polyester, Acrylic window. Lower Enclosure NEMA 4X (Fiberglass Reinforced Plastic) Polyester |
| Sample Temperature | 10° - 60°C |
| Sample Pressure | Pressurised Sample Line Required Regulated to 2-10 psi (15-70 kPa), (For wastewater, sample extraction accessory available – Pump and Sample Circulation Loop Assembly) |
| Maintenance | Automatic Flow Cell and Sample Line Cleaning |
| Data Communications | 4-20 mA (4 outputs) |
| Size | 26" tall x 9.5" wide x 7" deep (66 cm tall x 24 cm wide x 18 cm deep) |
| Weight | 27 lbs (12.25 kg) |