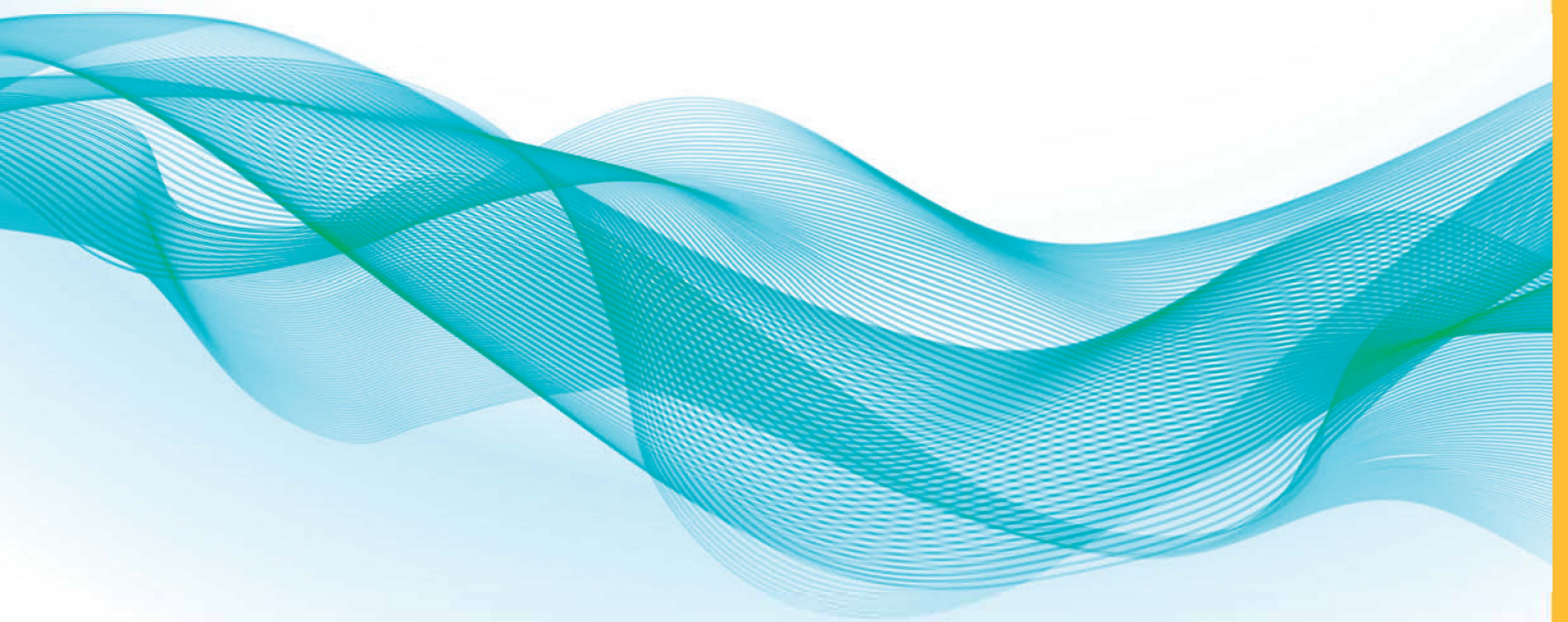


**ChemScan**[®]
An  **In-Situ** Brand



ChemScan® UV-Series Analyzers

Features:

- Can be configured for monitoring single or multiple samples and parameters
- Real-time Spectrographic chemical analysis using advanced pattern recognition techniques
- Easily interfaced to SCADA systems (4-20mA, MODBUS or Ethernet)
- Extensive internal data logging
- Self monitored diagnostics and alarms
- Internal manifold with inlets for auto zeroing auto cleaning and calibration samples
- New graphic user interface with many new features

Potable Water Monitoring:

- Chloramination Monitoring
- Water Blending
- Organics Detection
- Nitrification Avoidance

Wastewater Nutrient Monitoring

- Nitrification Analysis
- De-Nitrification Control
- Chem or Bio Phosphorous Removal
- Nutrient Deficiency Analysis
- SBR End Point Detection
- Alkalinity Monitoring



New Model with Graphic Interface

ChemScan on-line analyzers provide operators and control systems with timely process chemistry measurements. These data are used to control and optimize the process resulting in increased plant capability, reduced energy and chemical usage along with monitoring the process for compliance.



<u>Model</u>	<u>Application</u>	<u>Parameters</u>	<u>Max Sample Lines</u>
UV-2150	Nutrients or Inorganics	Analysis of one parameter	4*
UV-3150	Nutrients or Inorganics	Analysis of one parameter	8**
UV-4100	Nutrients or Inorganics	Analysis of multiple parameters (up to 4)	2
UV-6101	Nutrients or Inorganics	Analysis of multiple parameters (up to 8)	8**
UV-2150/S	Water Chloramination	Analysis of up to four parameters free and total ammonia, true monochloramine and total chlorine	2
UV-2150/N	Wastewater Nutrients	Analysis of ammonia and nitrate	8**
UV-2150/NoP	Wastewater Nutrients	Analysis of nitrite and ortho phosphate	2
UV-2150/NHoP	Wastewater Nutrients	Analysis of ammonia and ortho phosphate	8**
UV-2150/DC	Wastewater Chlor/Dechlor	Analysis of up to two parameters such as total chlorine residual and dechlorination agent residual	2

* Only 2 with filters, **Only 4 with filters

Monitor process, reduce energy and chemical costs, meet limits.

ChemScan® mini Analyzers

Accurate, Reliable AND Affordable Single Parameter Analysis

Capabilities:

- Continuous, Real Time Analysis of Constant Flow Sample Stream
- Isolated Analog Output

Features:

- Long Life LED Light Source
- Low Maintenance
- Large I.D. Flow Paths
- Simple Field Adjustable Calibration
- Direct Diode Detection
- Sealed Electronics Enclosure
- Auto Cleaning and Zeroing
- No Lamp Replacement or Alignment Required
- No Filtration Required
 - When TSS < 150 mg/L
 - After Secondary Clarifier

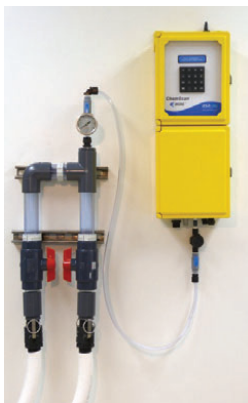


The Fond du Lac Wisconsin Regional Wastewater Treatment Facility has saved thousands in chemical costs.

The Fond du Lac facility, with an average flow of 9.8 MGD, treats all of the city's wastewater along with that of neighboring communities. For the last three years, the facility has used a ChemScan mini oP to monitor the chemical feed pump that doses Aluminum Sulfate for Phosphate removal. Jeremy Cramer, Operations Manager for the plant, reports "Alum cost savings of approximately \$100,000 per year have been realized." In the last 6 months, the unit has been tied directly to the chemical feed pump via their SCADA system. The system ramps the chemical dosing up and down as needed. "We are on pace to save approximately \$50,000 more per year." This results in a total savings estimated at \$150,000 per year.



ChemScan® mini Accessories



The Sample Extraction Accessory provides a pressurized sample to the ChemScan mini analyzer where NTU is less than 60 and TSS is less than 150 mg/L

TSS - Total Suspended Solids
NTU - Nephelometric Turbidity Units



ChemScan Cartridge Filter Wand
No cleaning air, water or chemicals required. Filter is disposable; replace monthly in less than 5 minutes.



ChemScan mini Outdoor Enclosure.
A turnkey solution for mounting the ChemScan and related items.



Submersible Pump
1.3" Max. Dia. Solids
Weight: 20 - 30 lbs
Power: 1/4 - 3/4 HP, 120 VAC 60 Hz
Power Cable: 20 feet



Deck Mounted Self Priming Pump
1/3 - 1/2 HP
Weight: 40 lbs
Mounting: Base

Support Services

From installation to replacement parts, Chemscan, Inc. provides responsive service by qualified personnel.



- Commissioning
- Supplies
- Training
- Parts
- Service

Contact Information

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Waukesha, WI 53186
Phone 262-717-9500

Or visit our website:

ChemScan.com

Your Local Representative:

