

Process Analyzers

for Water and Wastewater



ChemScan® Online Process Analyzers

ChemScan 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

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



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.

ChemScan mini Analyzers

The single parameter in-line analyzer family from ASA Analytics utilizes years of ChemScan experience and proven technology to provide reliable and accurate analysis of water and wastewater. This device has been designed from the ground up to reduce maintenance requirements, includes large ID sample tubing to minimize plugging and only needs quarterly reagent change out.

Parameters include: Ortho Phosphate, Ammonia, UV254, Manganese, Chlorine, Monochloramine, Copper, Chrome VI, Sulfite, Iron and more!

For additional information on ChemScan mini analyzers go to: www.asaAnalytics.com



*ChemScan
Analyzers
are Built in
the USA*

Specifications and accessories are available on our website.

ChemScan Analyzers:

<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**

ChemScan Specialty Analyzers:

<u>Model</u>	<u>Application</u>	<u>Parameters</u>	<u>Max Sample Lines</u>
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	2
UV-2150/NoP	Wastewater Nutrients	Analysis of nitrate and ortho phosphate	2
UV-2150/NHoP	Wastewater Nutrients	Analysis of ammonia and ortho phosphate	2
UV-2150/DC	Wastewater Dechlorination	Analysis of up to two parameters such as total chlorine residual and dechlorination agent residual	2

* Only 2 with filters

** Only 4 with filters



Sample Reservoirs



Flow Through Cyclic Filters



Central Membrane Filters



Inserted Cyclic Wands

ChemScan® Alkalinity Analyzer

Reliable Alkalinity Analysis in Wastewater

The new ChemScan Alkalinity Analyzer from ASA Analytics provides consistent, reliable chemical analysis for process control and optimization in multiple stream process monitoring and/or difficult or dirty samples.

The ChemScan Alkalinity Analyzer is easy to operate and maintain with minimal training and provides continuous real-time online analysis enabling chemical composition measurement of liquid processes.

- Fully automatic mode for routine monitoring of process streams
- Integrated, field proven, filtration system
- Mod bus RS 232, Mod bus RS 485, Mod bus TCP/IP communication for downloading calibrations, analysis and setup data (to printer or computer)
- Digital input control for remote control operation of analysis and calibration
- Rugged design for long life under harsh operating conditions
- Internal sample fast loop and rapid reaction electrodes provide fast analyzer response for efficient process control
- Easy to operate with menu-driven selections
- Modular design provides quick access and easy maintenance throughout



Support Services

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



- Commissioning
- Supplies
- Training
- Parts
- Service

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