Accurate, Reliable and Affordable Single Parameter Analysis

ChemScan mini Analyzers

The single parameter in-line analyzer product line uses years of ChemScan experience and proven technology to provide reliable and accurate analysis of water and waste water. This device has been designed from the ground up to reduce maintenance requirements. It includes large ID sample tubing to minimize plugging and needs reagent refills only quarterly.

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
- Filter accessories available

BENEFITS

- High reliability
- Low capital cost
- High accuracy

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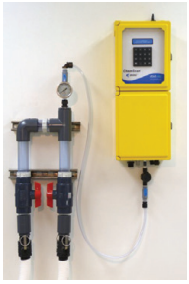
ACCESSORIES



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
For high-solids applications.
No pressurized air, water or chemicals required for cleaning.

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

Submersible Pump
1.3" Maximum diameter solids
Weight: 9 kg-14 kg (20-30 lbs.)
Power: 1/4 - 3/4 HP, 120 VAC 60 Hz
Power Cable: 6 m (20 feet)

Deck-Mounted Self-Priming Pump
1/3 - 1/2 HP
Weight: 18 kg (40 lbs)
Mounting: Base

Specifications

General (Common to all minis)

Accuracy:	2% of value or 2x detection limit (whichever is greater)
Environment:	5 - 50 degrees C
Power:	100 - 240 VAC, 50 W
Enclosure:	NEMA 4X
Safety Approval:	CSA-US
Relay Contacts:	1 SPDT Concentration, 1 SPDT Programmable
Serial Interface:	Serial, RS-232, Modbus RTU
Analog Output:	Isolated 4-20 mA
Sample:	0.5 - 1 Liter/analysis, pressure to 10 psi (UV-254 Continuous)

ChemScan mini oP

Range (as PO_4):	0.1 - 9.0 mg/L (Method 1005), 0.3 - 18.0 mg/L (Method 1006)
Range (as PO_4-P):	0.03 - 3.0 mg/L (Method 1003), 0.1 - 6.0 mg/L (Method 1004)
Cycle Interval:	5 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly

ChemScan mini oP XR

Range (as P):	0.1 - 20.0 mg/L (Method 1069)
Range (as PO_4):	0.3 - 60.0 mg/L (Method 1070)
Cycle Interval:	5 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

ChemScan mini FreeAm

Range (as N):	0.01 - 2.00 mg/L (Method 1036)
Cycle Interval:	18 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every month, pump kit yearly*

ChemScan mini LoP

Range (as PO_4):	0.02 - 3.0 mg/L (Method 1071)
Range (as PO_4-P):	0.003 - 1.00 mg/L (Method 1034)
Cycle Interval:	8 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

ChemScan mini LowAm

Range (as N):	0.01 - 10.0 mg/L (Method 1066)
Cycle Interval:	15 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

ChemScan mini LowMn

Range:	0.003 - 3.0 mg/L (Method 1072)
Cycle Interval:	5 minutes to 5999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

DRINKING WATER SUITE

ChemScan mini Mn

Range:	0.02 - 8.0 mg/L (Method 1063)
Cycle Interval:	10 min. (1063) to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

ChemScan mini Fe

Range:	0.01 - 5.0 mg/L (Method 1039) 0.02 - 20.0 mg/L (Method 1037)
Cycle Interval:	8 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

WASTEWATER DISINFECTION SUITE

ChemScan mini Sulfite

Range:	0.01 - 4.0 mg/L (Method 1068)
Cycle Interval:	5 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every month, pump kit yearly*

ChemScan mini LowChlor

Range (as CL_2):	0.005 - 2.00 mg/L (Method 1030)
Cycle Interval:	5 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every month, pump kit yearly*

ChemScan mini UV254

Range (as N):	0.1 - 100%T
Cycle Interval:	Continuous
Sample:	2 - 10 psi continuous flow
Maintenance:	Replace zero/clean sollution

ChemScan mini Cu

Range:	0.001 - 2.00 mg/L (Method 1056)
Cycle Interval:	4 min. to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

ChemScan mini Ammonia

Range:	0.03 - 25.0 mg/L (Method 1079)
Cycle Interval:	14 minutes to 5999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

* Based on default cycle time

ChemScan mini Ni

Range:	0.05 - 6.0 mg/L (Method 1057)
Cycle Interval:	8 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 3 months, pump kit yearly*

ChemScan mini Peracetic Acid (PAA)

Range:	0.015 - 5.0 mg/L (Method 1073)
Cycle Interval:	5 minutes to 9999 minutes (field programmable)
Maintenance:	Reagent replacement every 4 weeks, pump kit yearly*

CHLORAMINATION ANALYZER

ChemScan mini ChlorAm

Range:	Free Ammonia 0.025 – 2.00 mg/L Total Ammonia 0.02 – 3.00 mg/L Monochloramine 0.02 – 5.00 mg/L Ratio – Calculated using Total Ammonia and Monochloramine
Cycle Interval:	18 minutes to 9999 minutes with 9 minute updates
Maintenance:	Reagent replacement every month, pump kit yearly*