



ChemScan UV-3250 Analyzer

FOR ONLINE, REAL-TIME WATER ANALYSIS

The ChemScan UV-3250 Analyzer provides operators with timely process chemistry measurements. The analyzer provides data to ensure proper control of nutrient, disinfection and other dissolved chemical treatment processes. This reduces the need for frequent manual sampling or laboratory analysis while producing the best water quality.

The ChemScan UV-3250 is equipped with a Graphic User Interface built to handle the challenges of a municipal/industrial environment. The display simplifies navigation making the analyzer user friendly. Large display numbers allow the operator to view current parameter values at a glance. And maintenance and troubleshooting videos can be accessed and viewed on the display.

BENEFITS

- Ensure process conformance
- Control energy and chemical costs
- Confirm plant compliance in real time
- Improve process performance

Advanced sample handling and conditioning accessories provide reliable operation in challenging process applications while minimizing maintenance. These include both at-process wand systems and centralized pump systems.

AVAILABLE PARAMETERS

- Nitrate
- Nitrite
- NOx-N
- Color
- UV254 % Transmittance
- UV254 Absorbance

ANALYZER FEATURES

- Simple to use and maintain
- Designed for the harsh in-plant operation environment
- Multiple-wavelength UV absorbance technology ensures accuracy across varying water conditions
- Clog-proof, internal, multi-sample line manifold
- Automatic zero and cleaning eliminates electrical/optical drift and flow cell fouling
- No ion-specific electrodes to clean or replace
- Multiple data communication options with plant SCADA

INTERFACE FEATURES

- Industrial hardened interface
- Local data visualization for simplified use
- Auto fault detection, auto recovery
- Graphic representation of system operation
- Multiple user levels; log of user changes
- Recovery to factory default setting
- Upgradeable via USB port

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Applications:

- WATER & WASTEWATER MONITORING IN MUNICIPAL/ INDUSTRIAL ENVIRONMENT
- COOLING/BOILER WATER

FUNCTIONS AND OUTPUTS		PERFORMANCE SPECIFICATIONS ²	
ANALYZER OPERATION	Automated, Continuous Analysis of Water and Wastewater	READING INTERVAL	1-9999 Minutes (parameter and sample-line dependent)
MEASUREMENT PRINCIPLE	Multiple-Wavelength UV Absorbance Technology Using Pattern Recognition of Spectral Data	RESPONSE TIME	1-10 Minutes (parameter and sample-line dependent)
NUMBER OF PARAMETERS	Four per Sample Line, Eight maximum parameters	ACCURACY	Typ. 2% to 5% of Range, Parameter/Site Specific
PARAMETER OPTIONS	Nitrate, Nitrite, Color, UV Absorbance or Transmittance	PRECISION	Less than 0.5% of Range
DATA COMMUNICATIONS	4-20 mA (8 outputs maximum), Modbus RTU, Modbus TCP/IP, EtherNet/IP	ZERO DRIFT	Less than 0.5% of Range
DATA LOG	Time Date, Concentration, Diagnostic Info, Calibration Spectra	STANDARD RANGE	Nitrite 0.1 - 5.0 mg/l as N Nitrate, 0.1 to 30.0 mg/l as N Nitrate, 0.2 to 80.0 mg/l as N NOx-N, 0.1 to 30.0 mg/l as N NOx-N, 0.2 to 80.0 mg/l as N UV-254 Absorbance, 0.01 to 2.0 Absorbance Units
NUMBER OF SAMPLE LINES	1 to 8 through Internal Manifold	INSTRUMENT SPECIFICATIONS	
AUTO MAINTENANCE	YES (Standard)	SIZE	102 x 51 x 26 cm (40 x 20 x 10 in)
SAMPLE PARAMETERS		WEIGHT	59 kg (130 lbs)
SAMPLE PRESSURE	Internal pump provides sample flow with max. lift 1.5 m (5 ft) and max. run 6 m (20 ft) to sample location or line connection. Pressurized Sample Lines must be 10 psi maximum	FINISH COATING MATERIAL	Polyurethane Enamel over Polyester Urethane on Steel (Standard) or Type 316 Stainless Steel (Optional)
SAMPLE FLOW	0.5 to 1.0 l/min. 1 L Flush Per Sample (0.13 to 0.26 GPM - 0.26 Gallon Flush)	POWER	120 VAC ±10%, 50-60 Hz, 4 Amps maximum
FILTRATION REQUIREMENT	For samples with more than 150 mg/l TSS	POWER CONNECTION	Hard Wired (Standard) or Plug (Optional)
STRAINER REQUIREMENT	#20 Mesh - Opening of 0.69 mm (0.027 in) Provided	POWER CONDITION	Dedicated Branch Circuit Free From: Surges/Dips > 10%, RF and Switching Noise
SAMPLE TEMPERATURE	10 - 60°C (50 - 140°F)	OPERATOR INTERFACE	17.8 cm (7 in) TFT, LCD, Touch HMI Panel
SAMPLE TURBIDITY	0-60 NTU	SAMPLE CONNECTION	¼ in FNPT Fitting
OPERATING ENVIRONMENT		WASTE CONNECTION	¼ in FNPT Fitting (Open Drain Required)
ENCLOSURE RATINGS	Upper Enclosure: NEMA 4 (NEMA 4X Optional, 316 SS) Lower Enclosure NEMA 3R (Optional, 316 SS) (shielded spill drain)	MOUNTING	Wall (Standard) or Stand (Optional)
AMBIENT TEMPERATURE	5 - 45°C (41 - 113°F)	MAINTENANCE	
RELATIVE HUMIDITY	0 - 100% (Non-Condensing) For Installation in an Indoor or Sheltered Location	LIGHT SOURCE REPLACEMENT	Every 4 years
		ZERO & CLEANING SOLUTIONS REFILL	As Required (4 weeks typical)

Step-by-step maintenance and troubleshooting videos can be viewed on the display, simplifying the service process with graphic representation of the system's operation.



Notes:

1. Technical Specifications are subject to change without prior notice.
2. All performance specifications are based on analysis of drinking water standards under factory conditions.