Pub # 206
Preliminary 6/1/11, Revised 7/10/2015

ChemScan® mini UV254
TECHNICAL SPECIFICATION

FUNCTIONS AND OUTPUTS	
Measurement Principle	High Resolution, Ultraviolet Absorbance @ 254nm
Number of Parameters	1
Parameter Options	Absorbance Units, % Transmittance
Data Communications	4 - 20mA, RS-232 or MODBUS RTU
Data Log	4000 Values Time/Date Stamped (optional)
Auto Zeroing	Pumped Zero Standard
Auto Cleaning	YES
Analyzer Pump	Internal Zero and Clean (Std), External Sample Pump (Opt)
Sample Conditioning	External filter for high solids and turbidity (Opt)
Number of Sample Lines	1
PERFORMANCE SPECIFICATIONS	
Reading Interval	Continuous
Response Time (1/2 scale)	1 second – 60 seconds (selectable)
Range	0.1 to 100% Transmittance, 0.00 to 2.00 Absorbance Units
Accuracy	0.05 AU
Precision	0.001 AU
Zero Drift	0.1% of range
SAMPLE PARAMETERS	
Sample Pressure	5 to 80 psi (Std), higher pressure: contact factory
Sample Flow	1.0 l/min
Filtration Requirement	NONE (For Samples Meeting Turbidity and Solids Requirements)
Strainer Recommendation	Mesh Opening of 2.0 mm Max.
Sample Temperature	1^{O} - 60^{O}C (Std)
Sample Turbidity	0 - 60 NTU (Std)
Sample Suspended Solids	0 - 150 mg/l TSS
MAINTENANCE	
Zero/Clean Solution Refill	As Required (2-4 weeks typ.)
INSTRUMENT SPECIFICATIONS	
Size	22 X 9 X 6 in
Weight	25 lbs
Mounting	Wall (Std)
Finish Coating	ABS
Power	100-240 VAC, 1.0 Amps max.
Power Connection	Plug (Std) / Hard wired (Field)
Power Condition	30 ms max dropout
Operator Interface	2 x 20 LCD and 4 x 4 Keypad
Sample Cell Material	Polymer (Std)
Sample Connection	¼” FNPT Fitting
Waste Connection	¼” FNPT Fitting (Open Drain Required)

OPERATING ENVIRONMENT

Enclosure Ratings	NEMA 4X (Electronics Enclosure) NEMA 3R (Flow Cell Enclosure)
Ambient Temperature	5^{O} - 40^{O}C (Std)
Relative Humidity	0 - 95% (Non-Condensing)

Notes:

1. Technical Specifications are subject to change without prior notice.
2. Organics correlation is site specific and is based on data collection and analysis by the customer.

* Performance Specifications are based on analysis of deionized water and/or neutral density filters.