ChemScan® mini UV254

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: 10° - 60°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

<table>
<thead>
<tr>
<th>Enclosure Ratings</th>
<th>NEMA 4X (Electronics Enclosure)</th>
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</thead>
<tbody>
<tr>
<td>NEMA 3R (Flow Cell Enclosure)</td>
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<tr>
<td>Ambient Temperature</td>
<td>5° - 40°C (Std)</td>
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<tr>
<td>Relative Humidity</td>
<td>0 - 95% (Non-Condensing)</td>
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</tbody>
</table>

**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.