

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
Auto Zeroing	Standard - Pumped Zero Standard with Internal Pump
Auto Cleaning	Standard - Pumped Cleaning Solution with Internal Pump
Sample Pump	Optional
Number of Sample Lines	1

PERFORMANCE SPECIFICATIONS

Reading Interval	Continuous
Response Time (1/2 scale)	1 second – 60 seconds (selectable)
Range	0 to 100% Transmittance, 0.00 to 3.00 Absorbance Units
Accuracy	0.05 AU, 0.5%T
Precision	0.001 AU, 0.1%T
Zero Drift	0.5% of range / hour @ stable temperature

SAMPLE PARAMETERS

Sample Pressure	6 to 20 psi Standard (41-138 kPa), higher pressure: contact factory
Sample Flow	0.25 -0.5 gpm (0.1 - 2.0 L/min.)
Filtration Requirement	None for samples with no clogging solids (Samples with larger solids may require bypass flow or additional filtering)
Strainer Provided	#20 Mesh 304 SS Inlet Strainer - Opening Width 0.039" (1.0 mm)
Sample Temperature	34 -140 F (1- 60°C) (Standard)

MAINTENANCE

Zero/Clean Solutions Refill	As Required (2-4 weeks typical) Zeroing Container 10 gal. (20 Liters) Cleaning Container 2.5 gal. (10 Liters)
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INSTRUMENT SPECIFICATIONS

Size	26.0 X 9.5 X 7.0 in (66 x 24 x18 cm)
Weight	27 lbs (12.25 kg)
Mounting	Wall (Standard)
Enclosure Material	FRP (Fiberglass Reinforced Polyester)
Power	100-240 VAC, 1.0 Amps max.
Power Connection	Plug (Standard) / Hard wired (Field)
Power Condition	30 ms max dropout

Operator Interface	2 x 20 LCD and 4 x 4 Keypad
Sample Cell Material	Polymer (Standard)
Sample Connection	¼" FNPT 3/8" OD Tube Fitting Provided
Waste Connection - Analyzer Drain	3/8" OD Tube Fitting (Open Drain Required)

OPERATING ENVIRONMENT

Enclosure Ratings	NEMA 4X (Electronics Enclosure) NEMA 4X (Flow Cell Enclosure)
Ambient Temperature	41-104 F (5 - 40 C) (Std)
Relative Humidity	0 - 95% (Non-Condensing)

Notes: 1. Technical Specifications are subject to change without prior notice.

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