

M Series

Our 'M' series of analyzers lead the way in online real time UV254 (UVT) organic analysis. Real Tech's focus on developing simple yet effective technologies has resulted in Real Tech truly being able to provide the world's most comprehensive product offerings for UV254 analysis.



**MEASURES UV254 (SAC OR UVT)
UV EQUIVALENT TOC, DOC, COD, BOD
CONTINUOUS REAL-TIME ANALYSIS
BY-PASS STYLE ANALYZER
ACCURATE, STABLE, RELIABLE, PRECISE
FAST RESPONSE
ROBUST, SMART DESIGN
OPERATOR FRIENDLY, EASY TO USE
CONFIGURABLE
INNOVATIVE TECHNOLOGY
AUTOMATIC CALIBRATION/ZEROING
AUTOMATIC CLEANING OPTION
REAGENT FREE
LONG LIFE LAMP**

Our 'M' series product solutions are designed with our clients in mind. The 'M' series solutions are practical, accurate, and reliable and feature incredible ease of use from installation to operation, all with low maintenance.

With various optional accessory products and features to choose from, our 'M' series of products can meet any application and budget. Our accessories include Dual Feed option which allows two water sample lines to be connected to one analyzer, our Real Clean Automatic Chemical Cleaning System option, and our various water quality parameter software correlation packages which allow an 'M' series monitor to output a correlated TOC, DOC, COD or BOD value if desired. With Real Tech's incredible client service support that accompanies all the analyzers we always go that extra mile to ensure our clients have the best solution configured for their unique needs.

REALTECH
INC.

SHINING LIGHT ON WATER QUALITY

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	M2000 SERIES	M3000 SERIES	M4000 SERIES*
RANGE	0 - 13 UVA	0 - 1 UVA 10 - 100 %UVT	0 – 0.05 UVA 89 – 100 %UVT
ACCURACY		+– 0.5 % FS	
RESOLUTION	0.001 UVA	0.001 UVA 0.1 %UVT	0.00001 UVA 0.001% UVT
UNITS		cm ⁻¹	
PATH LENGTH	10mm, 4mm, 2mm, 1mm	10mm	250mm
SAMPLING TIME		10 seconds	
CALIBRATION	In-situ zeroing to any sample with known UVT. No further calibration required		
CLEANING	In-situ cleaning makes cleaning quick and easy. Automatic chemical cleaning is optional.		
SELF DIAGNOSTICS	Detection and diagnosis of internal system fault		
OPERATOR INTERFACE	Five push buttons to control a comprehensive hierarchical menu system		
DISPLAY	4 line x 20 character backlit LCD with LED alarm indicator		
ALARMS	Dry contact terminals allow operator configurable alarms for: high and low UVT/UVA setpoints, low lamp output, leak detected, system fault, etc.		
HUMIDITY CONTROL	Humidity sensor with large regeneratable desiccant system		
OUTPUTS	Self-powered 4-20mA, RS232 serial for PC		
WAVELENGTH	253.7nm		
LIGHT SOURCE	Low-pressure mercury UV lamp / UV LED		
LAMP LIFE	2 years		
DIMENSIONS	16”H x 14”W x 8”D		17”H x 15”W x 7”D
ENCLOSURE	NEMA 4X, wall mountable		
FLOW RATE	300 - 1000 mL/min		
PRESSURE RATING	20 PSI		100 PSI
FLUID CONNECTIONS	1/4” tube push-in fittings		
ELECTRICAL	24VDC 40W power adapter (accepts 90-250VAC 50/60Hz)		
STORAGE TEMP	-20 to 60°C (-4 to 140°F)		
OPERATING TEMP	0 to 45°C (32 to 113°F)		
WEIGHT	22 lbs		24 lbs
WARRANTY	2 years limited warranty		
TECHNOLOGY	Split-Sense Pro	Ortho-Beam	Split-Sense Pro
OPTIONS	<ul style="list-style-type: none"> • Dual Feed • Real Clean Systems • Pump Systems • Turbidity Compensation 		

* Includes Real UV254 Security monitor