



NEW

REALTECH
INC.

**PROBE
SERIES**

**INTRODUCING REAL TECH'S ALL NEW
M1000 PROBE SERIES FOR ORGANICS ANALYSIS**

OUR M1000 PROBE SERIES:

The new M1000 series expands on Real Tech's successful Real UV254 'M' series of products to include probe style analyzers. The M1000 analyzer series measures UV254, also known as the Spectral Absorption Coefficient (SAC), allowing for the rapid real time detection of organic contamination. The M1000 probes are specifically designed to provide increased accuracy and reliability in open channel or non-pressurized wastewater applications, while maintaining affordability and ease of use.

The M1000 probes are beneficial for many heavy organic laden monitoring applications as well as for monitoring UVT for wastewater UV disinfection applications. Real Tech also offers two new optional product accessories that can accompany any M1000 probe analyzer. The new optional 'Real Controller', specifically designed for the M1000 series, is a wall mounted operator interface allowing

for convenient display and control of multiple M1000 probes from one Real Controller device. The new optional 'Real Air Clean' automatic pressurized air cleaning system makes an excellent complement to further improve performance and ease of maintenance for any M1000 series probe.

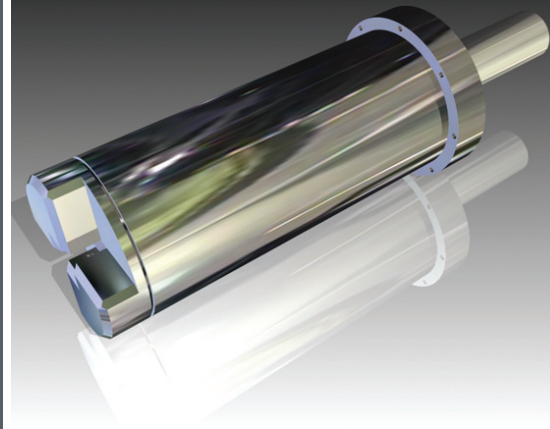
OUR TECHNOLOGY ADVANTAGES:

As with all of our 'M' series products, the new M1000 series benefits from Real Tech's innovative patented and patent pending technology advantages. Real Tech's unique technologies simply and effectively overcome the inherent challenges of UV254 real time organic monitoring, thereby offering superior performance at a fraction of the cost of alternative organic monitoring solutions.

**PRACTICAL, ACCURATE
& AFFORDABLE**

SPECIFICATIONS

The M1000 series utilizes patented* and patent pending technologies to provide increased accuracy and reduced measurement drift over time.



*US Patent 8077315

M1000 PROBE SERIES SPECIFICATIONS

	M1000 / M1100 / M1200 / M1300	M1500
ACCURACY	± 0.5 % FS	
UNITS	cm ⁻¹	
RANGE	0 – 8 UVA	10 – 100% UVT
PATH LENGTH	1mm, 2mm, 4mm, 10mm	10mm
SAMPLING TIME	10 seconds	
TECHNOLOGY	Split-Sense Pro	Ortho-Beam
CALIBRATION	Exclusive technologies allow for continuous automatic calibration during operation	
CLEANING	Optional Real Air Clean automatic pressurized air cleaning system	
SELF DIAGNOSTICS	Continuous detection of leaks, lamp output, humidity, temperature and electrical fault	
OPERATOR INTERFACE	<ul style="list-style-type: none"> • Push button driven comprehensive hierarchical menu system (with optional Real Controller) • RS232/USB interface to PC based Windows application 	
DISPLAY	4 line x 20 character backlit LCD (with optional Real Controller)	
ALARMS	Onscreen alarms	
HUMIDITY CONTROL	Humidity sensor with desiccant pack	
OUTPUTS	<ul style="list-style-type: none"> • Self-powered 4-20 mA output (with optional Real Controller) • RS232/USB interface for datalogging via PC 	
WAVELENGTH	253.7 nm	
LIGHT SOURCE	Low pressure mercury UV lamp	
LAMP LIFE	2 years	
DIMENSIONS	4" diameter x 10" length	
ENCLOSURE	Stainless steel with max rated depth of 36' (optional Real Controller is rated NEMA 4)	
WEIGHT	8 lbs	
ELECTRICAL	24 VDC 120W power adapter included (power adapter accepts 90-250 VAC 50/60 Hz)	
STORAGE TEMP	-20 to 60°C (-4 to 140°F)	
OPERATING TEMP	0 to 45°C (32 to 113°F)	
WARRANTY	2 year limited warranty	
OPTIONS	Real Air Clean automatic pressurized air cleaning system Real Controller wall mounted operator interface (allows for multiple M1000 probe connections)	

