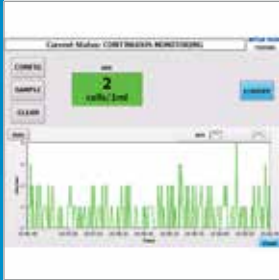


Continuous At-Line Microbial Monitoring For Pharmaceutical Waters



Real-time Microbial Detection

Results every two seconds, no sample preparation or incubation required.



Improve Process Control

Monitor and react to system trends prior to an out-of-specification event.



High Sensitivity

Measurement of individual cells, reported as auto fluorescent units (AFU).



Easy to Operate

Touch screen display with intuitive interface and user-defined alarm thresholds.



7000RMS

Real-Time Microbial Detection

Advanced laser-induced fluorescence technology provides a direct cell count of microorganisms present in pharma-grade waters. Overcoming limitations of growth-based laboratory methods that are an estimation of microbial presence and dependant on time and incubation conditions.

Counts microorganisms from as small as 0.50 microns and accepts direct input line temperatures of up to 90°C. The 7000RMS delivers 24/7 monitoring of water treatment, storage tanks, distribution loops, points-of-use and clean-in-place processes.

See more about the 7000RMS at:

► www.mt.com/7000RMS

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Technical data of the 7000RMS

General Specifications

Sample flow rate	30mL/min
Biological detection limit	1 AFU (Auto Fluorescent Units)
Minimum detection size	≥ 0.5µm
Measurement range	0-10,000 total counts/mL
Data report interval	2 seconds (1mL)
Data communication	-Ethernet - standard RJ 45 / Wi-Fi capable -SCADA connectivity via Modbus TCP -2 analog output channels; 4-20mA standard, user software with configurable output ranges
Operational environment (non-condensing)	Up to 37°C (98.6° F)

Sample Water Requirements

Sample temperature (non-condensing)	5-90°C (41-194° F)*
Online inlet pressure	0-7 bar (0-100 psig)

Installation/Power/Enclosure

Power	100-240VAC, 5A, 50-60 Hz Up to 8.2ft (2.5 meters) SJ cord length provided standard
Physical dimensions (WxHxD)	22.2"(56.4cm)W x 24.25"(61.6cm)H x 12"(30.5cm)D
Monitoring location	For continuous at-line monitoring panel, wall mounting tabs kit standard
Enclosure material	Stainless steel
Weight	73.4 lbs (33.3 kg)

* Temperature above 45°C requires Sample Conditioning Coil (included)

Applications

Continuous monitoring of PW, WFI and UPW

- Distribution loops
- Sub loops
- Point-of-Use
- Return loops
- Recirculating storage tanks
- Grab samples
- Post purification before storage
- Sampling points

www.mt.com

For more information

METTLER TOLEDO Group

Process Analytics Division

Local contact: www.mt.com/contacts

Subject to technical changes

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Management System
certified according to
ISO 9001 / ISO 14001