

Real-Time Microbial Monitoring System™ RMS-ON90

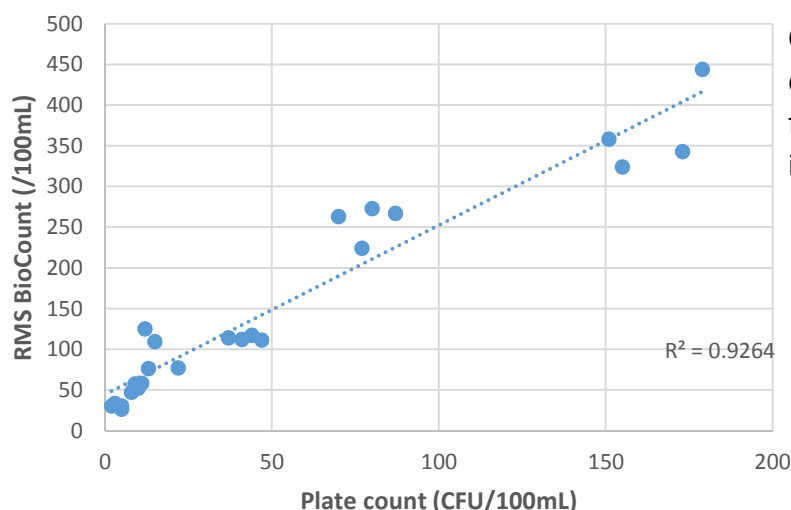
Real-Time



Real Results

Instant BioCounts & Particle Counts

Bacillus subtilis Correlation Graph



Advanced Biophotonics

Our laser based technology provides instant detection and quantification of microorganisms, circumventing limitations from growth-based technologies that are dependent on incubation conditions, growth media, and reagents.

Specifications

Sample Flow Rate	30 ml per minute
Biological Detection and Quantification	Detect and quantify bacteria and fungi $\geq 0.6\mu\text{m}$
Limit of Detection	1 BioCount
Limit of Quantification	1 BioCount
Dynamic Range	1 - 2×10^4 total counts / mL
Linear Range	1 - 700 total counts/mL
Sample Temperature (noncondensing)	5°C - 90°C (41°F - 194°F)
Operational Environment (noncondensing)	Up to 50°C (120°F)
Online Inlet Pressure	2 - 7 bar (30-100 PSIG) ± 1 PSI
Data Report Interval	User defined
RMS Operating Software	Windows 7 21CFR Part11
Data Communication	Ethernet - standard RJ45 / WIFI Capable SCADA Connectivity via ModBus TCP 2 Analog Output channels: 4-20mA standard, user/software with configurable output ranges
Physical Dimensions	W: 22 $\frac{3}{16}$ " (56.4 cm); H: 24 $\frac{1}{4}$ " (61.6 cm); D: 12" (30.5)
Weight	70 lbs (32kg)
IP Rating	IP 65 / NEMA 4
Power	90-240 VAC / 5 A NEMA 4 / IP65 power connector, Up to 15' SJ cord length provided standard
Maximum Allowable Particle Size	50 μm
Monitoring Location	For Continuous Online Monitoring Panel / Wall Mounting Tabs Kit standard / Vibration isolation shelf optional

APPLICATIONS

- Pharmaceutical
- Parenteral Drug
- Drinking Water
- Waste Water
- Food & Beverage
- Personal Care
- Recreational
- Oil & Gas

FEATURES

- Direct Monitoring of Up to 90°C
- No Sample Preparation or Reagents
- Easy Operation
- Low Maintenance
- Automatic and Manual Sanitizing Functionality
- User-defined Alarm and Alert Thresholds
- SCADA Connectivity
- Keyed Lockout
- IP65 / NEMA4 Compliant Enclosure
- Operational in Harsh Environments



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