Digital Vortex Mixer MSVM500ProSWISS: Advanced Precision Mixing for Laboratory Research

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Master Science vortex mixer

Discover the Master Science SVM500ProSWISS Digital Vortex Mixer, engineered for seamless and precise sample mixing in demanding laboratory environments. Whether you're a research scientist handling PCR plates or a lab procurement specialist seeking reliable equipment, this multi-plate vortex mixer delivers exceptional performance with its digital display, versatile speed control, and robust build. Optimize your workflow with a device that combines innovation and ease-of-use, ensuring consistent results every time.

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Key Benefits for Lab Professionals

- **Precision Speed Control**: Achieve exact mixing with stepless PWM adjustment, ranging from 0-3000 RPM in Touch mode and 100-3000 RPM in Run mode, allowing for tailored vortexing of sensitive samples.
- **Digital LCD Display**: Real-time visibility of speed and time settings enhances accuracy, reducing errors in high-stakes experiments.
- **Versatile Compatibility**: Supports multiple fixtures for centrifugal tubes, blood tubes, PCR plates, cell culture plates, and more, making it ideal for diverse lab applications like biology, chemistry, and medical research.
- **Stable and Quiet Operation**: Ultra-low body design with a brushless motor ensures minimal vibration and noise, maintaining a focused lab environment.
- **Time-Saving Features**: Easy switch between Touch and Run modes, plus timing up to 8 hours, streamlines repetitive tasks and boosts productivity.
- **Durable and Safe**: IP21 protection level, wide voltage compatibility (AC 100-240V), and operation in temperatures from 5-40°C with 80% RH, guaranteeing reliability in various lab conditions.

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Solving Common Lab Pain Points

Laboratory researchers often face challenges like inconsistent mixing results, cumbersome speed adjustments, and equipment instability that can compromise experiment integrity. The SVM500ProSWISS addresses these head-on:

- **Inconsistent Mixing**: The 4.5mm circular oscillation amplitude provides uniform vortexing across multiple tubes or plates, eliminating uneven sample preparation and ensuring reproducible outcomes in protocols such as DNA extraction or enzyme assays.
- **Manual Control Limitations**: Say goodbye to guesswork with the intuitive digital display and PWM speed regulation, allowing precise control without constant

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monitoring.

- **Equipment Versatility Issues**: With included accessories for various vessel sizes (e.g., 50ml*4, 15ml*9, 5-10ml*12, 2ml*24), it reduces the need for multiple devices, saving space and budget for lab purchasers.
- **Operational Downtime**: The brushless motor's strong power and low-maintenance design minimize breakdowns, while the easy mode switching accelerates setup for time-sensitive research.
- **Safety and Ergonomics**: Touch/Run functionality prevents accidental starts, and the compact, stable build reduces fatigue during extended use.

By tackling these pain points, the SVM500ProSWISS empowers labs to achieve higher efficiency, accuracy, and cost-effectiveness in daily operations.

Technical Specifications

Parameter	Details
Model	SVM500ProSWISS (also referenced as MSVM500PROSWISS in some variants)
Operating Mode	Touch / Run (easy to switch)
Control Mode	PWM speed adjustment
Display	LCD Digital Display
Motor	Brushless motor for strong, reliable power
Amplitude	4.5mm circular oscillation
Capacity	50ml*4 / 15ml*9 / 5-10ml*12 / 2ml*24
Speed Range	Touch: 0-3000 RPM Run: 100-3000 RPM
Timing / Time	1min - 8h
Shell Protection Level	IP21
Voltage	AC 100-240V / DC24V
Power	20W
Operating Temperature	5 - 40?, 80% RH
Accessories Included	VM501, VM502 (various fixtures for centrifugal tubes, blood tubes, PCR plates, cell culture plates, etc.) MASTER SCIENCE vortex mixer

This optimized specification highlights the SVM500ProSWISS's role as a precision tool for

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modern laboratories, emphasizing its ability to enhance research efficiency and reliability. For more details or to purchase, visit the official product page

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