

vortex mixer with led display for tubes and microplates

Vortex mixer through vibration and vortex effect, can realize the uniform mixing of samples, avoiding the inhomogeneity of the traditional manual mixing, improve the experimental efficiency and accuracy.

Vortex Mixer

Main Features

1. Accurate LED display: Real-time mixing speed and remaining time—clear process monitoring.
2. Two operation modes: Touch mode for single, brief mixing; continuous mode for prolonged, high-intensity mixing.
3. Wide applicability: Compatible with microtiter plates, test tubes, and various containers for diverse experiments.
4. Microprocessor control: Precise adjustment of speed and duration—stable, consistent oscillation.
5. Automatic timer: Set mixing time; auto shutdown prevents over-mixing and saves energy.
6. Easy operation: Intuitive settings and controls—ideal for any laboratory.



Advantages

1. High precision control: LED & microprocessor assure accurate speed and timing—minimizes human error.
2. Convenient operation: Dual modes for flexible workflows.
3. Wide adaptability: Mixes various sample containers simultaneously—high versatility.
4. Automatic shutdown: Prevents excessive oscillation—saves time and protects samples.
5. Strong durability: Simple, robust design—suitable for frequent, long-term use.

Working Principle

The vortex mixer uses vibration and vortex effects to rapidly and evenly mix liquids or samples. Microprocessor control adjusts intensity and duration as per user settings. Touch mode activates mixing when pressed; continuous mode runs until timer ends. LED display shows speed and time for clear oversight.

Application Fields

1. Life sciences: Cell culture, molecular biology—mixes cell/enzyme solutions for repeatable results.
2. Chemical labs: Mixes solutions and reagents for high-precision preparation.
3. Pharmaceutical research: Drug solutions, vaccine prep—precise liquid mixing.
4. Environmental monitoring: Water/soil sample mixing for efficient analysis.
5. Food & cosmetics: Even mixing of additives and ingredients—ensures product quality.

6. Industrial R&D: New material and solvent mixing for effective data collection.

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Model	BV40
Speed range	400 to 3000rpm
Orbit	6mm
Timer	1 minutes to 99hours 59 minutes
Operating modes	touch or continuous
Power supply	100Vac to 240Vac, 50/60Hz
Power	36W
Dimensions	108x150x168mm
Weight	3.0kg