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Product Name :

Orbital Shaker

Product Code :

SLE/CL/68



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Description :

Orbital Shaker (Product Code: SLE/CL/68) is a microprocessor-controlled bench shaker that moves its platform in a steady circular orbit to mix, dissolve and keep in suspension the liquids held in flasks, beakers, dishes and Petri dishes. It can run continuously or on a timer, and is used mainly in secondary and tertiary laboratories with a stable power supply, where it supportsseveral techniques and, most often, the preparation of reagents for more complex tests. It ismade by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range ofanalytical lab instruments in India for clinical and teaching laboratories.

Specifications

Parameter	Detail
Type	Microprocessor-controlled orbital shaker
Operation	Continuous or timed
Speed setting	100 to 350 rpm
Amplitude	4mm
Platform size	Approximately 24 x 24 cm
Suitable vessels	Flasks, beakers, dishes and Petri dishes
Load	Up to 2.5 kg
Display	LCD showing set and actual speed, plus set and elapsed time
End of run	Audible signal indicates automatic switch-off
Power requirements	100V/240V, 50/60Hz, with voltage surge protection
Documentation	Instructions for use
Typical setting	Secondary and tertiary facilities with stable power supply

Typical Use

In a clinical laboratory the shaker is usually loaded with flasks of buffer or reagent that must be brought fully into solution, culture dishes that need gentle and even agitation, or beakers of stain being mixed before filtration. The operator sets a speed between 100 and 350 rpm and either leaves the unit running continuously or enters a run time. The LCD shows the set and actual values side by side, and a beep confirms when a timed run has switched itself off, so staff can attend to other tasks instead of watching the clock.

Spread vessels evenly across the 24 x 24 cm platform, keep the total load within 2.5 kg, and start at a low speed before stepping up so that liquid does not climb over the rim; open beakers and Petri dishes generally need slower settings than stoppered flasks. Built-in surge protection helps where mains voltage fluctuates, but the instrument is still best placed on a stable, level bench. Laboratories assembling lab equipment for research in India often pair one shaker with a hot plate

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