Science Lab

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Product Name :

Thermomixer

Product Code :

SLE/CL/13



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Description :

Thermomixer (Product Code: SLE/CL/13) is a bench-top instrument that mixes samples while heating or cooling them, so incubation and agitation happen in one step instead of moving tubes between a shaker and a heating block. It mixes at 300–3,000 rpm on a 3 mm orbit, controls temperature up to 100 °C, and stores programmes for repeat protocols. Clinical, molecularbiology and teaching labs use it for homogenous mixing of samples with controlled heating andcooling. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala,within our range of laboratory instruments in India.

Specifications

Parameter	Detail
Type	Bench-top thermomixer
Speed range	300–3,000 rpm
Mixing orbit	3 mm
Mixing and vortexing radius	1.5 mm
Temperature controlrange	Min: 15 °C ± 2 °C below RT; max: 100 °C
Temperature setting	Lowest 1 °C, highest 100 °C
Max heating rate	7 °C / min
Max cooling rate	2.5 °C / min between 100 °C and RT
Temperature homogeneity	Max. ± 0.5 °C at 20–45 °C
Timer	15 sec to 99:30 h; continuous
Programming	More than 20 program slots; up to 4 program levels; 5 program keys (pre-defined, rewritable)
Anti-spill technology	Yes (as listed)
Power requirements	100 V ~ 240 V, 50/60 Hz; power-stabilising function to protect the unit from accidental voltage surges; suiting plug provided
Intended use	Homogenous mixing of samples, heating and cooling
Estimated weight / volume	6.3 kg / 0.0085 m^3

Typical Use

A thermomixer earns its bench space in protocols that need a sample kept at a set temperature while it is agitated: enzyme digestions, lysis steps before nucleic-acid extraction, resuspending pellets, denaturing samples near 100 °C, or holding reactions at a controlled temperature during incub ol a react comm n lab e

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