

TECHNICAL DATA SHEET

ALab™ TM40 3D Rotating Mixer

3D rotating mixer · rotation, shake and angle modes · 10–40 rpm · LED display · timing 1–999 min



ALab™ TM40 3D Rotating Mixer

The ALab™ TM40 is a 3D rotating mixer with a multi-angle adjustable swivel frame for mixing samples in sample tubes. Image shown for reference.

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SECTION I

Product Overview

The ALab™ TM40 3D Rotating Mixer is a uniquely designed instrument that can mix samples in various sample tubes by rotating horizontally, vertically or at any angle. The two clamps on the rotating panel can be adjusted independently, so that two different methods can be used in one mixing. It is compact and convenient, and can be used in laboratory benches, cold storage or incubators.

The TM40 offers a speed range of 10 to 40 rpm and an oscillation amplitude of 20–99°, with movement modes Rotation/Shake/Angle and working modes Continuous/Timed (timing range 1–999 min / 0–999 s). Display: LED, with a memory function that shows the last speed/angle setting value when the instrument is turned on. Application tubes: 0.5/1.5/2/5/7/10/15/50 mL. Published electrical specifications: input voltage, 100–240 V, 50/60 Hz; power, 4 W.

SECTION II

Core Advantages

- **Multi-angle swivel frame** — rotates horizontally, vertically or at any angle
- **Independent clamps** — two methods in one mixing
- **LED display with memory** — shows the last speed/angle setting
- **Three working modes** — rotation, shaking and angle mixing
- **Multiple tube clamps** — combinable, easy to disassemble
- **Easy to clean** — shell and panels designed for decontamination

SECTION III

Specifications

Technical data — TM40

Specifications	
Brand	ALab™ by ACS Material
Product Name	ALab™ TM40 3D Rotating Mixer
Model	TM40
SKU #	ALTM4000
Product Type	3D rotating mixer
Speed range	10–40 rpm
Oscillation amplitude	20–99°
Movement mode	Rotation/Shake/Angle
Working mode	Continuous/Timed
Display	LED
Timing range	1–999 min / 0–999 s
Power	4 W
Application tubes	0.5/1.5/2/5/7/10/15/50 mL
Input voltage	100–240 V, 50/60 Hz
Dimension [L × W × H]	240 × 140 × 210 mm
Weight	1.2 kg

Accessories — Tube clamps

Accessories	
Accessory	Description
Tube clamp (1.5/2 mL)	Suitable for 1.5/2 mL centrifuge tube
Tube clamp (5/7 mL, 10–15 mL)	Suitable for 5/7 mL and 10–15 mL centrifuge tube
Tube clamp (0.5 mL, 50 mL)	Suitable for 0.5 mL and 50 mL centrifuge tube

Scope of delivery

- **Standard configuration:** one TM40 main unit.
- **Additional accessories:** specify separately in the quotation. The accessory table describes compatible configurations, not the standard packing list.

SECTION IV

Applications

The TM40 is widely used in the mixing of samples such as molecular hybridization and blood, and widely used in biomolecular science, histochemistry, biochemistry, clinical medicine, etc.

Product value: a compact 3D rotating mixer for sample tubes with a multi-angle adjustable swivel frame, three switchable working modes (rotation, shaking and angle mixing), an LED display with memory function and independently adjustable tube clamps, in a 240 × 140 × 210 mm (L × W × H) instrument weighing 1.2 kg. Confirm the tubes against your application requirements before ordering.

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