



**Best Technology**  
For Your Laboratory

**ORBITAL SHAKER**

# ORBITAL SHAKER

## TM52E



## Overview | TM52E

Orbital shaker model TM52E is a special shaker that CMT unique technology has made it a distinct device compared to the existing portfolio. This device is a masterpiece in the beauty and science of engineering and its orbital motion without the slightest noise and vibration and its loading capacity of up to 10 kilograms have made it one of the most unexceptionable products made domestically.

This device is used in a variety of medical, industrial, pharmaceutical and research laboratories

- Loading capacity of up to 10 kilograms
- Speed: 220 rpm
- 50 × 34 cm plate

## Main features | TM52E

Equipped with flow control system to protect Motor and gearbox

External Case Coated with electrostatic powder paint

Microcontroller to exactly control the rpm

Strong gearbox for more power

Digital Electronic timer

LCD Display

## Special benefits | TM52E

### Consistent Movement technology (CMT)

Uniform movement throughout the whole surface

Continuous operation, even under full load

Loading capacity of up to 10 kilograms

Smooth and silent movement

Strapless and spring-less

### Utilizing microcontrollers

Accurate tachometer and motor's/speed control

Motor protection system to prevent its burning

99-minutes timer (permanently operable)

LCD screen

### Outer body

Plate with dimensions of 50x34 cm for placing Erlenmeyer flasks and beakers of different sizes

Specially designed to prevent pouring liquids on board and electronic parts

Adjustable arms to hold Erlenmeyer flasks of different sizes

Beautiful and ergonomic design

## Special benefits | TM52E

### Service and guaranty

5-years motor and gearbox warranty

1-year replacement warranty

10-years after-sales service

2-years guaranty

## Specification | TM52E

### Device Specifications

Height with holding arms (cm)	34
Dimensions shaker plate (cm)	50*34
Height (incl. feet) (cm)	15
Width (cm)	55
Weight (empty) (kg)	40
Length (cm)	62

### Rotation information

Rotation diameter (mm)	24
Weight on shaker (kg)	10
Speed range (rpm)	50 to 220
Timer range (min)	99
Type of rotation	orbital
Speed Display	LCD
Timer Display	LCD

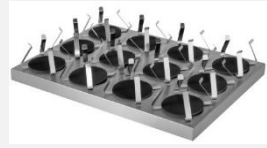
### Electrical data

Power (W)	100
Frequency (HZ)	50
Voltage(V AC)	220
Current (A)	0/5

All technical data are specified for units with standard equipment at an ambient temperature of 25 °C and a line voltage fluctuation of  $\pm 10\%$ .

## Options and accessories | TM52E

Clamps of different sizes for a variety of Erlenmeyer flasks



Producible in custom dimensions



Extra holding arms and clamps





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