

# Multi-Tube Vortex Mixer

## Features

### ► Innovative 3D shaking motion

By adopting special 3D oscillation with a maximum speed of 3000 rpm, the samples can be mixed thoroughly.

### ► Designed for QuEChERS

The rack can be fully assembled and disassembled, making it easy to operate and clean. It accommodates 15 mL or 50 mL centrifuge tubes, making it particularly suitable for QuEChERS.

### ► Dual modes

Built-in continuous and intermittent modes, users can choose the mode best suited to their samples and methods, ensuring maximum flexibility.

### ► High safety

The instrument operates only when the safety shield is securely closed and immediately stops when the shield is opened, enhancing operational safety and preventing liquid splashes.

### ► Compact size without displacement

Tornado 100 is 80% smaller than traditional high-speed shakers and is designed to prevent displacement.

### ► International certification

CE certification  
RoHS certification

### ► One-Year Warranty

## Applications

### ► QuEChERS

### ► Animal drug test

### ► Pesticides test

### ► Sample pretreatment: blending

## Ordering Information

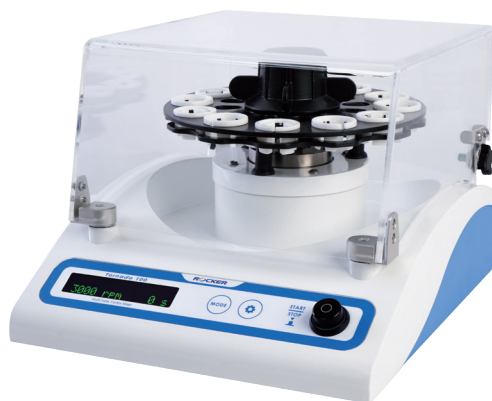
### 193100-01(02)

Tornado 100, Multi-Tube Vortex Mixer,  
AC100-240V, 50/60Hz, US plug (EU plug)

### 193000-01

Rack, 50 mL x 6 + 15 mL x 6

## Tornado 100



## Specification

Model	Tornado 100
PERFORMANCE DATA	
Speed	0 ~ 3000 rpm (w/o sample)
Timer	(1) Countdown timer: 1 ~ 240 min (2) Counter: 0 ~ 999 min
Operation mode	• Continuous mode • Intermittent mode
Applicable vials	15 mL centrifuge tube (Ø 16.5 ~ 17.0 mm) 50 mL centrifuge tube (Ø 28.6 ~ 29.6 mm)
Max. loading	420 g
Display	OLED
Noise	65 dB @Max. rpm
Net Weight	12.1 Kg
Dimension (LxWxH)	36 x 30 x 24 cm (with safety shield)
ELECTRICAL DATA	
Voltage	100-240V
Frequency	50 / 60Hz
Max. power	130W
Safety	Safety Shield, Overheat Protection, Fuse

# Multi-Tube Vortex Mixer



## Designed for QuEChERS

Easy-operation rack is suitable for 15 mL and 50 mL vials used in QuEChERS.



## Compact size without displacement

It is 80% smaller than traditional high-speed shakers and is displacement-free.



## 3D shaking motion

With a maximum speed of 3000 rpm, the samples can be mixed thoroughly.

### Applicable Tube

15 mL	Ø 16.5 ~ 17.0 mm
50 mL	Ø 28.6 ~ 29.6 mm



## High safety

Safety shield enhances operational safety and prevents liquid splashes.



## Dual modes

Continuous mode and intermittent mode for choices.

