IKA

designed for scientists

Vortex 4 basic

/// Data Sheet

Compact, universal small shaker suitable for shaking tasks with small vessels and microtiter plates.

- Wide range of attachments
- Attachment detection
- Continuous or touch operation (with standard attachment)
- Two operating modes:

Mode A (safe mode with attachment detection)
the maximum speed of 3,000 rpm is only reached with the standard attachment in touch mode. When using other attachments the speed is limited to 1,300 rpm.
Mode B (without attachment detection)
a speed of 3,000 rpm is possible with all attachments.

- Stable in all speed ranges

- Sturdy zinc die cast casing

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Technical Data

Type of movement	orbital
Shaker diameter [mm]	4.5
Permissible shaking weight (incl. attachment) [kg]	0.5
Motor rating input [W]	10
Motor rating output [W]	8
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	200
Speed range [rpm]	0 - 3000
Speed display	scale
Timer display	scale
Operating mode	continuous operation
Touch function	yes
Working with microtiter plates	yes
Number of microtiter plates	1
Dimensions (W x H x D) [mm]	176 x 63 x 190
Weight [kg]	3
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	20
DC Voltage [V=]	24
Current consumption [mA]	800