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MATRIX Orbital Delta F2.0
/// Data Sheet

The IKA Matrix Orbital Δ F2.0 is part of a new and powerful product family of thermoshakers available. IKA Matrix Orbital Δ F2.0 mixes and heats with a fixed insert for 24 x 2.0 ml tubes. Whether its blood samples, pharmaceutical agents, DNA/RNA samples or ELISA assays – samples with even the smallest volumes mix reliably and completely in all laboratory applications. No cross-contamination and an optimal mixing result.

In addition, IKA Matrix Orbital Δ F2.0 comes with numerous user-friendly features:

- Large and clear display with a convenient menu structure allows for intuitive operation

- Speeds of up to 1,500 rpm and shaker diameter of 3 mm ensure the liquid mixes quickly and effectively
- Two different speed modes for gentle heating of the samples
- Programmable ramps allow for automatic execution of mixing and heating tasks
- Smart speed adjustment according to insert, attachment and filling volume
- Aluminum die cast housing ensures secure positioning, excellent stability and everyday robustness

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Technical Data

Type of movement	orbital
Shaking stroke [mm]	3
Maximun load [kg]	0.3
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	300
Speed range [rpm]	0 - 1500
Speed display	TFT
Speed deviation [rpm]	±30
Speed adjustment	10 RPM Steps
Timer	yes
Timer display	TFT
Time setting min. [s]	1
Time setting max. [min]	6000
Operating mode	timer, continuous and program operation
Heating temperature range [°C]	room temp. +4° - 100
Heat output [W]	100
Heat control	TFT
Set temperature resolution [°C]	±1
Temperature control accuracy [°C]	±0.5
Temperature stability [°C]	0.5
Temperature homogenity [°C]	±0.5 (@ 20°C ... 45°C); ±1.5
Heating rate [°C/min]	13
Temperature display	yes
Number of reaction vessels	24x 2.0 ml
Dimensions (W x H x D) [mm]	216 x 158 x 351
Weight [kg]	9.2
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
USB interface	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	240
Power input max. [W]	240
Fuse	2x T4A 250V

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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