

# IKA

designed for scientists

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MIXING, HEATING, COOLING | IKA MATRIX

## IKA Matrix

/// THE NEW IKA THERMOSHAKERS

Mixing, heating, cooling, or all at once? With the IKA Matrix, there is a new powerful product family of thermoshakers available. Regardless whether blood samples, pharmaceutical agents, DNA/RNA samples or ELISA assays – samples with even the smallest volumes are mixed reliably and completely in all laboratory applications. No cross-contamination and an optimal mixing result.



### Intuitive use

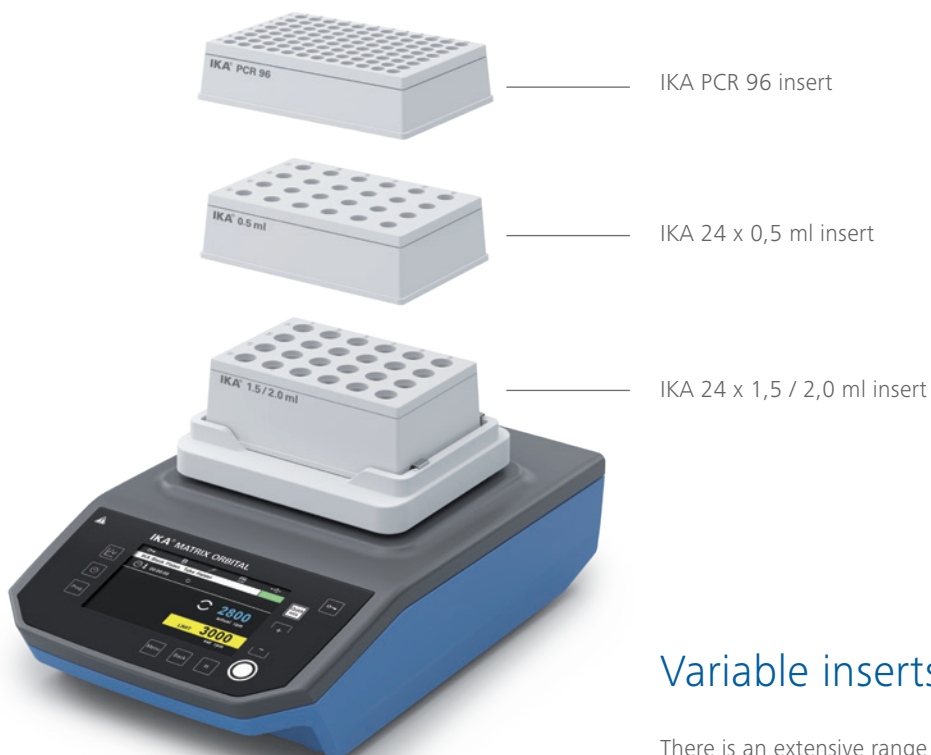
The large clear display allows an absolutely intuitive navigation. A user-friendly, self-explanatory menu structure awaits you.

### High speed

Speeds of up to 3,000 rpm ensure that the liquid is mixed particularly quick and effective thanks to its orbital movement.

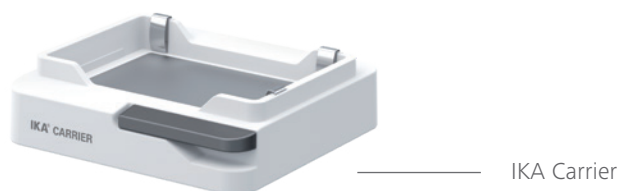
### Extra stable housing

Excellent stability and everyday robustness is achieved by the aluminium die cast housing. This ensures a secure positioning and strengthens the whole device.



## Variable inserts

There is an extensive range of accessories available for the IKA Matrix series that allows the optimal operation of your specific application.



IKA Matrix Orbital  
Ident. No. 0030000627

IKA Matrix Orbital Δ F0.5  
Ident. No. 0030000747

IKA Matrix Orbital Δ F1.5  
Ident. No. 0030000750

IKA Matrix Orbital Δ F2.0  
Ident. No. 0030000753

IKA Matrix Orbital Δ FP  
Ident. No. 0030000751

AVAILABLE Q4 / 2020

IKA Matrix Delta +  
Ident. No. 0030000717

IKA Matrix Orbital Δ +  
Ident. No. 0030000731

## Technical Data

MODEL	MATRIX ORBITAL	MATRIX ORBITAL Δ F0.5	MATRIX ORBITAL Δ F1.5	MATRIX ORBITAL Δ F2.0
Mixing	Yes	Yes	Yes	Yes
Heating	–	Yes	Yes	Yes
Cooling	–	–	–	–
Type of movement	Orbital	Orbital	Orbital	Orbital
Insert	Variable inserts	Fixed insert for 24 x 0,5 ml tubes	Fixed insert for 24 x 1,5 ml tubes	Fixed insert for 24 x 2,0 ml tubes
Shaker diameter	3 mm	3 mm	3 mm	3 mm
Permissible shaking weight (excl. attachment)	–	0,3 kg	0,3 kg	0,3 kg
Speed min (adjustable)	300 rpm	300 rpm	300 rpm	300 rpm
Speed max.	3000 rpm	2000 rpm	1500 rpm	1500 rpm
Heating temperature min.	–	Room temp. +5 °C	Room temp. +5 °C	Room temp. +5 °C
Heating temperature max.	–	100 °C	100 °C	100 °C

MODEL	MATRIX ORBITAL Δ FP	* MATRIX Δ+	* MATRIX ORBITAL Δ+
Mixing	Yes	–	Yes
Heating	Yes	Yes	Yes
Cooling	–	Yes	Yes
Type of movement	Orbital	–	Orbital
Insert	Fixed holder for microtiter plates	Variable inserts	Variable inserts
Shaker diameter	3 mm	3 mm	3 mm
Permissible shaking weight (excl. attachment)	0,3 kg	0,3 kg	0,3 kg
Speed min (adjustable)	300 rpm	–	300 rpm
Speed max.	2000 rpm	–	3000 rpm (depending on attachment)
Heating temperature min.	Room temp. +5 °C	Room temp. -30 °C	Room temp. -15 °C
Heating temperature max.	100 °C	110 °C	100 °C

\* Available from Q4 / 2020