IKA

designed for scientists

EN

# 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.

IKA PCR 96 insert

IKA 24 x 0,5 ml insert

IKA 24 x 1,5 / 2,0 ml insert

## 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 Carrier

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

2020_06_Thermoschüttler_JKA Matrix_EN_94000578