



designed for scientists



## MATRIX Orbital Delta FP

/// Fiche technique

The IKA Matrix Orbital  $\Delta$  FP is part of a new and powerful product family of thermoshakers available. IKA Matrix Orbital  $\Delta$  FP mixes, heats and has a universal holder for microtiter plates. 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  $\Delta$  FP comes with numerous user-friendly features:

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



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- Stable quick lock for fast and easy change of inserts and attachments as well as automatic attachment detection
- Speeds of up to 2,000 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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## Données techniques

Type de mouvement	orbitale
Agitateurs orbitaux [mm]	3
Maximun load [kg]	0.3
Durée de fonctionnement admissible [%]	100
Vitesse min. réglable [rpm]	300
Plage de vitesse [rpm]	0 - 2000
Affichage de la vitesse	TFT
variation de la vitesse [ $\pm$ rpm]	30
Possibilité de réglage de la vitesse	10 échelle RPM
Minuterie	oui
Affichage de la minuterie	TFT
Réglage de la durée min. [s]	1
Réglage de la durée max. [min]	6000
Type de fonctionnement	timer, continuous and program operation
Travailler avec microtitration	oui
Nombre de microtitration	1
Plage de température [°C]	temp ambiante +4° - 100
Puissance de chauffage [W]	100
Possibilité de réglage de la température de chauffage	TFT
Précision de réglage de la température de chauffage [ $\pm$ °C]	1
Temperature control accuracy [ $\pm$ °C]	1.0 (@ 20°C ... 45°C); 4.0
Temperature stability [°C]	0.5
Temperature homogeneity [ $\pm$ °C]	0.5 (@ 20°C ... 45°C); 1.5
Heating rate [°C/min]	18
Affichage de la température	oui
Number of PCR plates	1
Number of Deep Well Plates (DWP)	1
Dimensions (L x P x H) [mm]	216 x 147 x 351
Poids [kg]	9.2
Plage de température du milieu admise [°C]	5 - 40
Humidité relative admissible [%]	80
Protection selon DIN EN 60529	IP 21
Interface numérique RS 232	oui
Interface numérique USB	oui
Tension [V]	100 - 240
Fréquence [Hz]	50/60
Puissance absorbée de l'appareil [W]	240
Power input max. [W]	240
Fuse	2x T4A 250V



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Apporter des modifications techniques



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