

designed for scientists



MATRIX Orbital Delta Plus

/// Data Sheet

The all-rounder Matrix Orbital Delta plus mixes, heats and cools reliably with variable inserts.

Whether blood samples, pharmaceutical agents, DNA/RNA samples or ELISA assays - reaction vials and plates with even the smallest volumes are reliably mixed and tempered in all laboratory applications. No cross-contamination and an optimal mixing result.

In addition, Matrix Orbital Delta plus comes with numerous user-friendly features:









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- Large and clear display with a convenient menu structure allows for an intuitive operation
- Firm quick-release fastener for quick and easy changing of the inserts/attachments as well as an automatic attachment detection
- Quick and effective mixing of liquids with up to 3,000 rpm and 3 mm shaker diameter
- Reduced waiting time through fast heating and cooling rates of up to 6 °C/min (heating) or 2.5 °C/min at set-point temperature above the ambient temperature (cooling, 0.5 °C/min at set-point temperature between ambient temperature and 15 °C below ambient temperature)
- Two different speed modes for sample-specific temperature control
- Automatic performance of mixing, heating and cooling tasks through programmable ramps
- Wide range of inserts for reaction vessels and plates
- Intelligent speed adaption to insert, attachment and filling volume
- Aluminum die cast housing ensures secure positioning, excellent stability and everyday robustness

The device is ideally suited for numerous applications in laboratories, such as:

- Tempering / mixing of samples
- Synthesis of cDNA
- Enzyme-catalysed linking of RNA or DNA (ligation)
- Lysis reactions
- Structural change of DNA, RNA and proteins (denaturation)









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Technical Data

orbital
3
0.3
88
100
300
0 - 3000
TFT
30
10 RPM Steps
yes
TFT
1
6000
timer, continuous and program operation
yes
room temp15
1
100
100
TFT
1
0.5
0.5
0.5
6
yes
0.8
72
10
216 x 127 x 351
10
5 - 40
80
IP 21
yes
yes
100 - 240
50/60
230
230
2x T4A 250V







