



designed for scientists



MS 3 digital

/// Data Sheet

Compact, universal small shaker suitable for shaking tasks with all small vessels and microtiter plates

- Wide range of attachments
- Attachment detection
- Timer with countdown function
- Continuous or touch operation (with standard attachment)
- Two operating modes:
 - Mode A (safe mode with attachment detection)



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the maximum speed of 3.000 rpm is only reached with the standard attachment in touch mode. When using other attachments the speed is limited to 1.300 rpm.

Mode B (without attachment detection)

A speed of 3,000 rpm is possible with all attachments, depending on the application (see accessory list in the manual).

- Stable in all speed ranges
- Sturdy zinc die cast casing

Scope of delivery

- MS 3 digital
- MS 3.1 Standard attachment
- MS 3.3 Universal attachment
- MS 3.4 Microtiter attachment
- MS 1.21 One-hand insert
- MS 1.32 Test tube insert



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Technical Data

Type of movement	orbital
Shaking stroke [mm]	4.5
Permissible shaking weight (incl. attachment) [kg]	0.5
Motor rating input [W]	10
Motor rating output [W]	8
Permissible ON time [%]	100
Speed min (adjustable) [rpm]	200
Speed range [rpm]	0 - 3000
Speed display	scale
Timer	yes
Timer display	7 segment LED
Time setting min. [s]	1
Time setting range [min]	1 - 999
Operating mode	timer and continuous operation
Touch function	yes
Working with microtiter plates	yes
Number of microtiter plates	1
Dimensions (W x H x D) [mm]	148 x 63 x 205
Weight [kg]	2.9
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	20
DC Voltage [V=]	24
Current consumption [mA]	800