



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 |