

Data Sheet

Mixing / Shakers



MS 3 digital

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

Accessories: MS 3.1 Standard attachment, MS 3.4 Microtiter attachment, MS 3.3 Universal attachment, MS 1.33 Test tube insert, MS 1.34 Test tube insert, MS 1.31 Test tube insert, MS 1.32 Test tube insert, MS 1.21 One-hand insert



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Technical Data

| | |
|--|--------------------------------|
| Type of movement | orbital |
| Shaker diameter [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) [1/min] | 200 |
| Speed range [1/min] | 0 - 3000 |
| Speed display | scale |
| Timer | yes |
| Timer display | 7 segment LED |
| Time setting range [min] | 1/60 - 999 |
| Operating mode | timer and continuous operation |
| Touch function | yes |
| Shaking table lock | no |
| 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 moisture [%] | 80 |
| Protection class according to DIN EN 60529 | IP 21 |
| RS 232 interface | no |
| Analog output | no |
| Voltage [V] | 100 - 240 |
| Frequency [Hz] | 50/60 |
| Power input [W] | 20 |
| DC Voltage [V=] | 24 |
| Power input [mA] | 800 |
| Ident. No. | 3319000 |