Data Sheet
Mixing / Shakers



MS 3 basic

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

- Wide range of attachments
- Attachment detection
- 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 3000 rpm is possible with all attachments, depending on the application (see the speed range of the accessory list)
- 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 3.5 PCR plate attachment, MS 1.21 One-hand insert, MS 1.34 Test tube insert, MS 1.31 Test tube insert, MS 1.32 Test tube insert, MS 1.33 Test tube insert

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) [rpm]	200
Speed range [rpm]	0 - 3000
Speed display	scale
Timer	no
Operating mode	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 humidity [%]	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
Current consumption [mA]	800
Ident. No.	**0003617000**

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Subject to technical changes