

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 $% \left\{ 1,2,\ldots ,2,3,\ldots \right\}$

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

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 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 yes Number of microtiter plates 1 Dimensions (Wx 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		
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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 Current consumption [mA] 800	Dimensions (W x H x D) [mm]	148 x 63 x 205
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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	Permissible relative moisture [%]	80
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Power input [W] 20 DC Voltage [V=] 24 Current consumption [mA] 800	Voltage [V]	100 - 240
DC Voltage [V=] 24 Current consumption [mA] 800	Frequency [Hz]	50/60
Current consumption [mA] 800	Power input [W]	20
	DC Voltage [V=]	24
Ident. No. 3319000	Current consumption [mA]	800
	Ident. No.	3319000



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.