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MS 3 control

/// 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
- Stable in all speed ranges
- Sturdy zinc die cast casing
- USB connection for remote control
- 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, depending on the application (see accessory list in the manual).

Scope of delivery
•MS 3 control
•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]	100
Speed range [rpm]	100 - 3000
Speed display	LCD
Speed deviation [%]	1
Timer	yes
Timer display	LCD
Time setting min. [s]	1
Time setting max. [min]	3599
Deviation device clock max. [%]	1
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]	3.16
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
RS 232 interface	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	20
DC Voltage [V=]	24
Current consumption [mA]	800