

Compact Shaker SM30 A/B/C

Description

Robust, durable table shakers with orbital, horizontal or combined shaking motion (three model types). For all areas of application that require high stress on the units in continuous operation.

SM30 offers a loading capacity of up to 30 kg on a shaking surface of 560 x 400 mm. A wide range of attachments provides an optimal hold for many applications.

Attention:

Basic unit **without** swing plate, without attachment. various attachments and accessories see page 3.

Models

Model SM30 A / control:

Orbital movement, analog or control (with digital display and programmable)

Model SM30 B / control:

Horizontal movement (reciprocating), analog or control (with digital display and programmable)

Model SM30 C / control:

Combination unit: orbital or horizontal movement selectable, analog or control (with digital display and programmable)

Specifications

- Flexible attachment system. With the clamping bars, standing vessels of any shape can be fixed (beakers, Erlenmeyer flasks, test tube racks, etc.). Flat dishes can be placed directly on the rubber mat (without clamping bars). Additional bars can also be used to vigorously mix horizontal graduated cylinders or separating funnels.
- Speed/running consistency even with different loads.
- Reliability even in continuous operation.



Compact shaker SM30 A



Compact shaker SM30 A control



Suitable for incubator hood TH30

Compact Shaker SM30 A/B/C



Technical Data

Models	SM30 A, SM30 B, SM30 C (analog/digital)
Shaking motion	orbital SM30 A horizontal (reciprocating) SM30 B can be switched from orbital to horizontal SM30 C
Shaking speed	15 – 300 U/min, steplessly adjustable
Shaking stroke	26 mm
Shaking platform (W x D)	560 x 400 mm
Max. load	30 kg
Timer	0 – 120 min or continuous resp. 0 – 30 h or continuous for model "control"
Electrical supply	230 V, 60 Hz
Dimensions (W x D x H)	680 x 610 x 160 mm
Weight	33 kg
Enclosure protection	IP 21
Heat emission	ca. 7 W
Ambient temperature	5°C to 50°C
Relative humidity	~ 85%

Compact Shaker SM30

Accessories and Racks



Rack System Combifix SMA

For securing various laboratory vessels. Frame with five clamping bars. Especially suitable for tall and unstable laboratory flasks.



Rack System Combifix SMB

For clamping horizontal vessels between the clamping bars or for tall vessels. Distance between the bars: max. 60 mm. Frame with four clamping bars h and four clamping bars v.



Rack System Combifix SMC

Rack system with two clamping strips h, two cramp strips and one spring strip.



2-Storey Top Frame SM

Top frame with two coated trays with drillings for spring clamps or test tube racks. Total height: 332 mm. Distance between the two storeys: 300 mm.



Inkubationshaube TH30

The Incubator Hood TH30 has a temperature range from +5°C above ambient to +50°C and can be combined with all universal shakers SM30 or used as independent unit. Height sufficient for 2000 ml Erlenmeyer flasks.



Universal Tray SM

Coated tray with drillings for individual fastening of spring clamps or test tube racks. Shaking platform: 560 x 400 mm

Loading capacity Universal Tray SM

Size ml	10	25	50	100	250	500	1000	2000	3000	5000
Max. Pieces	118	64	63	31	24	14	11	6	4	2



Universal Spring Clamps

Stainless steel clamps for mounting on the universal trays. Sizes matched to Erlenmeyer flasks. Different sizes for 10 ml - 5000 ml. Can also be used for round-bottomed flasks, beakers, etc.



Test tube rack

For mounting with clamping bars on the top racks or with the hinged foot on the universal trays. With the hinged foot it is possible to vary the angle of inclination of the test tubes.

Dimensions:
289 x 100 mm

Please note:

To mount test tube racks on a universal tray, you need a rack and a swivel foot.

Drill Holes	68	44	44	14
Ø in mm	14 mm	16 mm	18 mm	30 mm