

## Universal Shakers, Bühler

Bench top shakers for heavy loads and continuous operation. Available with orbital or reciprocal motion or as "2 in 1", digital or analogue control. Wide range of matching trays and accessories available.

Includes basic unit with shaker plate and rubber mat, without tray stand.

### Technical data:

Max. load:	30 kg
Frequency range:	15 – 300/min
Working surface:	560 × 400 mm
External dimensions (W×D×H):	680 × 610 × 160 mm
Supply voltage:	230 V, 50/60 Hz (115 V on request)

### SM 30 Universal shaker

Article	Order No.
① <b>Universal shaker SM 30 A</b>	<b>52 61 61010</b>
Shaking motion:	orbital
Shaking amplitude:	26 mm
Control:	analog with rotary buttons
Timer:	0 – 120 min or continuous operation

Article	Order No.
② <b>Universal shaker SM 30 A control</b>	<b>52 61 61000</b>
Shaking motion:	orbital
Shaking amplitude:	26 mm
Control:	"control" with memory for shaking programs and touch-display
Timer:	programmable <sup>1)</sup>

Article	Order No.
① <b>Universal shaker SM 30 B</b>	<b>52 61 61030</b>
Shaking motion:	reciprocal (horizontal)
Shaking amplitude:	30 mm or 46 mm and 50 mm (option)
Control:	analog with rotary buttons
Timer:	0 – 120 min or continuous operation

Article	Order No.
② <b>Universal shaker SM 30 B control</b>	<b>52 61 61020</b>
Shaking motion:	reciprocal (horizontal)
Shaking amplitude:	30 mm or 46 mm and 50 mm (option)
Control:	"control" with memory for shaking programs and touch-display
Timer:	programmable <sup>1)</sup>

Article	Order No.
① <b>Universal shaker SM 30 C</b>	<b>52 61 61050</b>
Shaking motion:	orbital/reciprocal (switch selectable)
Shaking amplitude:	26 mm
Control:	analog with rotary buttons
Timer:	0 – 120 min or continuous operation

Article	Order No.
② <b>Universal shaker SM 30 C control</b>	<b>52 61 61040</b>
Shaking motion:	orbital/reciprocal (switch selectable)
Shaking amplitude:	26 mm
Control:	"control" with memory for shaking programs and touch-display
Timer:	programmable <sup>1)</sup>

### Hot plate shaker SM 30 AT control

Table-top shaker with heating plate for mixing of difficult media.

Basic equipment: Basic device with heating plate, without rack system.

### Technical data:

Shaking motion:	orbital
Temperature range:	up to 120°C
Control accuracy:	approx. ±1°C
Max. load:	25 kg
Stroke:	26 mm
Control:	"control" with memory for shaking programs and touch-display
Timer:	programmable <sup>1)</sup>

Article	Order No.
③ <b>Hot plate shaker SM 30 AT control</b>	<b>10 61 66200</b>



# Tops and accessories for SM 30 models

Article	Order No.
<b>Combifix SM Set A</b>	<b>52 61 50154</b>
Frame rack with 5 clamping rails for upright vessels	
④ <b>Combifix SM Set B</b>	<b>52 61 50155</b>
Frame rack with 4 double clamping rails for tall or lying vessels	
<b>Combifix SM Set C</b>	<b>52 61 50156</b>
Frame rack with rails for fastening filter funnels	
⑤ <b>Universal tray SM <sup>2)</sup></b>	<b>52 61 51472</b>
Tray with holes for spring clips or test tube racks (clips/racks on request)	
⑥ <b>2-level top SM <sup>2)</sup></b>	<b>52 61 52065</b>
Two-level rack with trays with holes. Suitable fittings on request	
⑦ <b>Incubation hood TH 30 <sup>2)</sup></b>	<b>52 61 62000</b>
For temperature control of the loaded material from 5°C above room temperature to 50°C. Complete with lighting and UV light. Accessories for TH 30 and connection for cooling units on request. Option: extended temperature range up to +60°C on request.	

<sup>1)</sup> Programmable controller with enhanced functionality!

<sup>2)</sup> not for SM 30 AT control!



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