

## Compact Shakers, Bühler

Rugged, reliable shakers for everyday use. Reciprocal motion, analogue or digital control. Matching trays available for all standard applications. Includes basic unit without shaker plate and without tray. Please order the tray that you need.

### Technical data:

Max. load:	15 kg (KS 15), 5 kg (TiMix 5)
Frequency range:	30 – 420/min (KS), 100 – 1400/min (TiMix 5)
Amplitude:	17 mm (KS 15), 3 mm (TiMix 5)
Working surface:	400 × 300 mm
External dimensions (W×D×H):	510 × 490 × 150 mm
Supply voltage:	230 V, 50/60 Hz (115 V on request)

### KS 15 Compact Shaker

Article	Order No.
① <b>Compact shaker KS 15 A</b>	<b>52 61 61710</b>
Shaking motion:	orbital
Control:	analog with rotary buttons
Timer:	0 – 120 min or continuous operation

Article	Order No.
② <b>Compact shaker KS 15 A control</b>	<b>52 61 61700</b>
Shaking motion:	orbital
Control:	"control" with memory for shaking programs and touch-display
Timer:	programmable <sup>1)</sup>

Article	Order No.
① <b>Compact shaker KS 15 B</b>	<b>52 61 61730</b>
Shaking motion:	reciprocal (horizontal)
Control:	analog with rotary buttons
Timer:	0 – 120 min or continuous operation

Article	Order No.
② <b>Compact shaker KS 15 B control</b>	<b>52 61 61720</b>
Shaking motion:	reciprocal (horizontal)
Control:	"control" with memory for shaking programs and touch-display
Timer:	programmable <sup>1)</sup>

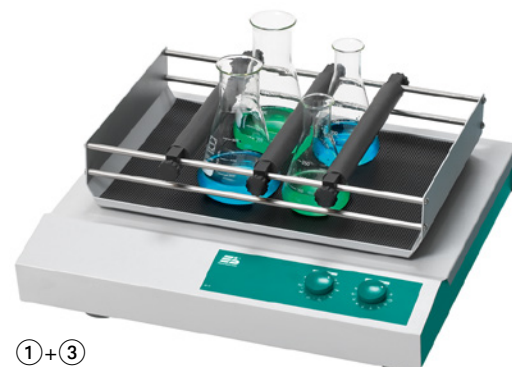
### Tops and accessories for KS 15 models

Article	Order No.
③ <b>Combifix KS</b>	<b>52 61 52071</b>
Frame rack with 3 clamping rails and rubber mat	
④ <b>Universal tray KS</b>	<b>52 61 51471</b>
Tray with holes with spring clips or test tube racks (clips/racks on request)	
⑤ <b>Incubation hood TH 15</b>	<b>52 61 61610</b>
For controlling the temperature of the loaded material between 5°C above room temperature and 50°C. Option: extended temperature range up to +60°C on request.	

### TiMix 5 Microplate shaker

Article	Order No.
⑥ <b>TiMix 5</b>	<b>52 61 61660</b>
Shaking motion:	accurately orbital
Control:	analog with rotary buttons
Timer:	0 – 120 min or continuous operation

Article	Order No.
<b>TiMix 5 control</b>	<b>52 61 61670</b>
Shaking motion:	accurately orbital
Control:	"control" with memory for shaking programs and touch-display
Timer:	programmable <sup>1)</sup>
Options for TiMix 5 control: Specially for use in automated systems. Defined stop, USB 2.0 interface, control interface.	



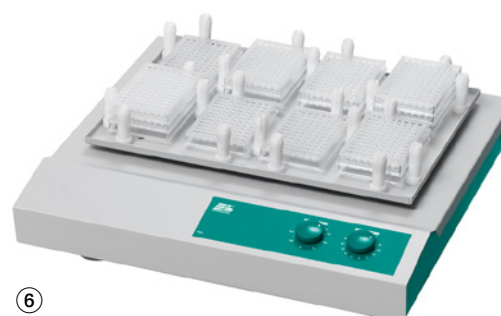
①+③



②+④



②+⑤



⑥



#### Tops and accessories for TiMix 5 models

Article	Order No.
<b>Standard top TiMix 5</b>	<b>52 61 52101</b>
Tray with clamping holders for 8 MT plates	
<b>Extension tray TiMix 5</b>	<b>52 61 52102</b>
Tray for an additional 8 MT plates as second level on standard tray	
<b>Top with maxi pins</b>	<b>52 61 52104</b>
Tray with stack holder for 3 × 8 standard MT plates one above the other	
<b>Top with pins</b>	<b>10 61 62096</b>
For 8 standard microplates	
<b>Top with metal pins</b>	<b>10 61 62125</b>
For 48 standard microplates directly stacked about each other	
<b>Incubation hood TH 15</b>	<b>52 61 61610</b>
For controlling the temperature of the loaded material between 5°C above room temperature and 50°C. Option: extended temperature range up to +60°C on request.	

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

