

# Technical Specifications

## Hei-MIX Shakers and Mixers

Model	Reax top	Reax control	Multi Reax	Vibramax 100	Vibramax 110
Motion	circular vibrating	circular vibrating	circular vibrating	circular vibrating	circular vibrating
Rotation speed	0–2,500 rpm	0–2,500 rpm	150–2,000 rpm	150–1,350 rpm	150–1,350 rpm
Rotation speed setting	analog/±scale	analog/numbered scale	digital	electronic control	electronic control
Orbit/stroke	5 mm	5 mm	3 mm	3 mm	1.5 mm
Operating mode	automatic or continuous	automatic or continuous	timer or continuous	timer or continuous	timer or continuous
Timer	–	–	yes	yes	yes
Power input	51 W	51 W	50 W	31 W	31 W
Weight	2.8 kg	2.8 kg	9.8 kg	5.5 kg	5.5 kg
Dimensionsw/d/h	134×172×105 mm	134×172×105 mm	270×410×172 mm	245×310×125 mm	245×310×125 mm
Platform sizew/d	–	–	–	220×220 mm	220×220 mm
Accessories included	–	–	attachment for 12 or 26 vessels	non-skid rubber mat	non-skid rubber mat
Load capacity	–	–	1.5 kg	2 kg	2 kg
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient conditions	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
Protection class	DIN EN 60529IP 22	IP 22	IP 30	IP 30	IP 30

Model	Titramax 100	Titramax 101	Titramax 1000	Duomax 1030	Rotamax 120
Motion	circular vibrating	circular vibrating	circular vibrating	rocking	orbital
Rotation speed	150–1,350 rpm	150–1,350 rpm	150–1,350 rpm	2–50 rpm	20–300 rpm
Rotation speed setting	electronic control	electronic control	electronic control	electronic control	electronic control
Orbit/stroke	1.5 mm	3 mm	1.5 mm	–	20 mm
Angle	–	–	–	5/10°	–
Operating mode	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous
Timer	yes	yes	yes	yes	–
Power input	31 W	31 W	31 W	115 W	33 W
Weight	5.5 kg	5.5 kg	6.5 kg	8 kg	5.5 kg
Dimensionsw/d/h	245×310×125 mm	245×310×125 mm	320×375×125 mm	320×375×185 mm	245×310×125 mm
Platform sizew/d	220×220 mm	220×220 mm	290×258 mm	290×258 mm	220×220 mm
Accessories included	space for 4 microtiter plates	space for 4 microtiter plates	space for 6 microtiter plates	non-skid rubber mat	non-skid rubber mat
Load capacity	2 kg	2 kg	5 kg	5 kg	2 kg
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient conditions	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
Protection class	DIN EN 60529IP 30	IP 30	IP 30	IP 40	IP 30

Standard supply voltage: 230 V. Other supply voltages upon request.

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## Hei-MIX Shakers and Mixers

Model	Unimax 1010	Unimax 2010
Motion	orbital	orbital
Rotation speed	30–500 rpm	20–400 rpm
Rotation speed setting	digital	digital
Orbit/stroke	10 mm	20 mm
Operating mode	timer or continuous	timer or continuous
Timer	yes	yes
Power input	50 W	115 W
Weight	8 kg	16 kg
Dimensionsw/d/h	320×375×125 mm	426×435×135 mm
Platform sizew/d	290×258 mm	390×340 mm
Accessories included	non-skid rubber mat	non-skid rubber mat
Load capacity	5 kg	10 kg
Overheat protection	self-resetting	self-resetting
Permissible ambient conditions	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
Protection class	DIN EN 60529IP 40	IP 20

Promax 1020	Promax 2020
reciprocating	reciprocating
30–250 rpm	20–400 rpm
digital	digital
32 mm	20 mm
timer or continuous	timer or continuous
yes	yes
50 W	115 W
8 kg	16 kg
320×375×125 mm	426×435×135 mm
290×258 mm	390×340 mm
non-skid rubber mat	non-skid rubber mat
5 kg	10 kg
self-resetting	self-resetting
5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
IP 40	IP 20

Model	Polymax 1040	Polymax 2040
Motion	wave	wave
Rotation speed	2–50 rpm	2 –50 rpm
Rotation speed setting	electronic control	digital
Orbit/stroke	5/10°	5/10°
Operating mode	timer or continuous	timer or continuous
Timer	yes	yes
Power input	115 W	115 W
Weight	8 kg	16 kg
Dimensionsw/d/h	320×375×195 mm	426×435×208 mm
Platform sizew/d	290×258 mm	390×340 mm
Accessories included	non-skid rubber mat	non-skid rubber mat
Load capacity	5 kg	10 kg
Overheat protection	self-resetting	self-resetting
Permissible ambient conditions	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
Protection class	DIN EN 60529IP 40	IP 20

Reax 2	Reax 20/4	Reax 20/8	Reax 20/12
overhead	overhead	overhead	overhead
20–100 rpm	1–16 rpm*	1–16 rpm*	1–16 rpm*
analog	electronic control	electronic control	electronic control
–	–	–	–
–	–	–	–
–	–	–	–
27 W	280 W	280 W	280 W
5.2 kg	23 kg	28 kg	33 kg
510×180×235 mm	490×520×465 mm	770×520×465 mm	1050×520×465 mm
–	–	–	–
universal adapter	–	–	–
1 kg	30 kg	–	–
self-resetting	self-resetting	–	–
5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
IP 21	IP 21	IP 21	IP 21

Standard supply voltage: 230 V. Other supply voltages upon request.

\* On request also with 2–32 rpm.