

## Platform Shakers – orbital

### Time and tranquility are required for the cultivation of cells

The slow and constant rotation of the Rotamax and Unimax models keeps your samples continuously in motion



#### Rotamax 120

##### The compact model

- Rotamax 120 is a compact and space-saving unit that accepts load capacities of 2 kg
- Wide range of accessories, attachments and clamps for up to 16 Erlenmeyer flasks available
- The shaking orbit of 20 mm performs a gentle motion for sensitive samples and supports culture plates and Erlenmeyer flasks
- Set and continuously adjust the variable speed on the analog control knob from 20 to 300 rpm
- An analog process timer allows for unattended operation and can be set from 1 to 120 minutes. When the set time has elapsed an acoustic alarm will sound and the operation stops

P/N 544-41200-00  
Accessories: Category B

#### Unimax 1010

##### The incubating model

- The Unimax 1010 is a medium sized model and accepts load capacities of 5 kg
- The shaking orbit of 10 mm performs a gentle motion for sensitive samples and supports culture plates and Erlenmeyer flasks
- Set and continuously adjust the variable speed on the digital display from 30 to 500 rpm
- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature control up to 65 °C
- An digital process timer allows for unattended operation and can be set from 1 to 999 minutes. When the set time has elapsed an acoustic alarm will sound and the operation stops



P/N 542-10020-00  
Accessories: Category E

### Platform Shaker Plug & Play Unimax

##### This package includes:

- One orbital platform shaker Unimax 1010
- One heating module and
- One high incubator hood

P/N 543-12310-00

#### Unimax 2010

##### The resilient model

- Includes all Unimax 1010 features, plus:
- The Unimax 2010 is a large model and accepts a load capacity of 10 kg for high sample throughput
- The shaking orbit of 20 mm performs a gentle motion for sensitive samples and supports culture plates and Erlenmeyer flasks
- Set and continuously adjust the variable speed on the digital display from 20 to 400 rpm
- Increase your sample throughput with the optional multi-tier attachment for a variety of vessel sizes
- An analog process timer allows for unattended operation and can be set from 1 to 120 minutes. When the set time has elapsed an acoustic alarm will sound and the operation stops



P/N 543-12310-00  
Accessories: Category D



## Technical Specifications - Shakers and Mixers

Model	Reax Top	Reax Control	Multi Reax	Titimax 100	Titimax 101	Titimax 1000	Vibromax 100	Vibromax 110	Rotamax 120
Motion	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	orbital
Rotation speed (rpm)	0 - 2,500	0 - 2,500	150 - 2,000	150 - 1,350	150 - 1,350	150 - 1,350	150 - 1,350	150 - 2,500	20 - 300
Rotation speed setting	analog	electronic contr.	digital	electronic contr.	electronic contr.	electronic contr.	electronic contr.	electronic contr.	electronic contr.
Orbit (mm)	5	5	3	15	3	15	3	15	20
Angle (°)	-	-	-	-	-	-	-	-	-
Operating mode	automatic or continuous	automatic or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous
Input power (W)	51	51	50	31	31	31	31	46	33
Weight (kg)	2.8	2.8	9.8	5.5	5.5	6.5	5.5	5.0	5.5
Dimensions (w x h x d) (mm)	194 x 105 x 172	24 x 105 x 172	270 x 172 x 410	245 x 125 x 310	220 x 220	290 x 258	220 x 220	140 x 140	220 x 220
Platform size (mm)	-	-	-	220 x 220	220 x 220	290 x 258	220 x 220	140 x 140	220 x 220
Accessories included	-	-	2. layered attachment	spacers for 4 microtiter plates	spacers for 4 microtiter plates	spacers for 6 microtiter plates	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat
Load capacity (kg)	-	-	1.5	2	2	5	2	2	2
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient temperature (°C)	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity
Protection class (DIN EN 60950)	IP 22	IP 22	IP 30	IP 30	IP 30	IP 30	IP 30	IP 30	IP 30

Model	Unimax 1010	Unimax 2010	Promax 1020	Promax 2020	Duomax 1030	Polymax 1040	Polymax 2040	Reax 2	Reax 20/4 Reax 20/8 Reax 20/12
Motion	orbital	orbital	rectrograding	rectrograding	rocking	wave	wave	overhead	overhead
Rotation speed (rpm)	30 - 500	20 - 400	30 - 250	20 - 400	2 - 50	2 - 50	2.5 - 50	20 - 100	1 - 16
Rotation speed setting	digital	digital	digital	digital	electronic contr.	electronic contr.	digital	analog	electronic contr.
Orbit / Stroke (mm)	10	20	32	20	5/10	5/10	5/10	-	-
Angle (°)	-	-	-	-	5/10	5/10	5/10	-	-
Operating mode	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	-	-
Input power (W)	50	115	50	115	115	115	115	27	280
Weight (kg)	8.0	16	16	8.0	8.0	8.0	16	5.2	23, 28, 33
Dimensions (w x h x d) (mm)	330 x 195 x 375	445 x 195 x 435	330 x 195 x 375	445 x 195 x 435	330 x 195 x 375	330 x 195 x 375	445 x 248 x 435	510 x 180 x 235	490 x 465 x 520
Platform size (mm)	290 x 258	390 x 340	290 x 258	390 x 340	290 x 258	290 x 258	440 x 240	-	770 x 465 x 520
Accessories included	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	universal adaptor	1050 x 465 x 520
Lead capacity (kg)	5	10	5	10	5	5	10	1	30
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient temperature (°C)	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity
Protection class (DIN EN 60950)	IP 40	IP 20	IP 40	IP 20	IP 40	IP 40	IP 20	IP 21	IP 21

Standard supply voltage: 230 V - other voltages upon request, please specify for order

# Certificate



To confirm the ability for continuous operation of the Test Tube and Platform Shakers

The Test Tube and Platform Shakers feature overtemperature safety circuits according to DIN EN 61010-1:2001 and DIN EN 61010-2-010:2003 and therefore are designed for continuous operation.

This statement is made under the precondition that all units are operated in accordance with the operation manual and in accordance with good practice standards for safety in laboratories, rules for accident preventions, and compliance with directions on hazardous materials.

Schwabach, January 2013

*I. V. Jan Weizien*

I. V. Jan Weizien  
Technical Director

*S. Stefan Richter*

I. V. Stefan Richter  
Quality Control Director