

Shakers and Mixers, Heidolph

Platform shakers, vibrating Temperature controlled shaking

General features

- One base unit only accepts 3 reaction blocks for solid phase or 3 reaction blocks for solution phase applications with gentle vortexing that does not damage resin
- Reaction block features four heating zones which allow you to apply selectively different temperatures and facilitate reaction optimization
- Exceptional visual control of reaction in each vessel and immediate access to every sample due to circular design
- Optional temperature sensor positioned in the reaction vessel enables the most accurate temperature control and reproducibility
- Exceptional chemical resistance due to PTFE and PFA material – resin will not stick to inner walls of reaction vessel and provides clear visibility of the sample
- Perform reactions at temperatures as low as -80°C via external chiller
- Fast heat transfer from the heating zone allows for sample temperature settings up to 160°C

Titramax 100 – The compact model

- Titramax 100 is a compact and space saving unit that accepts load capacities of 2 kg and space for 4 microtiter plates
- Your analog process timer allows for unattended operation and can be set from 1 to 120 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- Set and continuously adjust the variable speed on the analog control knob from 150 to 1,350 rpm
- The 1.5 mm vibration orbit performs gentle mixing with best results using small sample volumes
- Are you working with heat sensitive samples? Platform shakers come with an insulated system to prevent any heat transfer from the motor that could cause potential thermal damage to your sample

Titramax 101 – The strong model

- Includes all Titramax 100 features, plus:
- The 3 mm vibration orbit accomplishes better results with higher volume samples than the Titramax 100 to yield consistent mixing of samples in the plate

Titramax 1000 – The incubating model

- Includes all Titramax 100 features, plus:
- The use of 6 microtiter plates increases your throughput by 50 %
- The 1.5 mm vibration orbit performs gentle mixing with best results using small sample volumes
- Titramax 1000 is a medium sized model and accepts load capacities of 5 kg
- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature control of up to 65 °C



①



②

Type	Orbit mm	Speed range 1/min	Qty max. titerplates	W × D × H mm	Order No.
Titramax 100	1.5	100-1350	4	245×285×125	52 41 44112
① Titramax 101	3.0	100-1350	4	245×285×125	52 41 44113
② Titramax 1000	1.5	100-1350	6	320×350×125	52 41 44122

Vibramax 100 / Vibramax 110

Vibramax 100 – The compact model

- A large selection of attachments is provided for the use of various vessels and sizes
- Vibramax 100 is a compact and space saving unit with a load capacity of 2 kg
- The 3 mm vibration orbit gives excellent results especially in large vessels – allows for smooth to ridged mixing of viscous media and solids
- Set and continuously adjust the variable speed on the analog control knob from 150 to 1,350 rpm
- Your analog process timer allows for unattended operation and can be set from 1 to 120 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- Optional attachments with tension rollers accept any glassware size

Vibramax 110 – The efficient model

- Includes all Vibramax 100 features, plus:
- The shaking orbit of 1.5 mm performs a gentle motion for sensitive samples
- Set and continuously adjust the variable speed on the analog control knob from 150 to 2,500 rpm
- Ideal for the optional attachments to use 49 test tubes that increases your throughput significantly



③

Type	Orbit mm	Speed range 1/min	Loading wght kg	W × D × H mm	Order No.
③ Vibramax 100	3.0	100-1350	2	245×285×125	52 41 44212
Vibramax 110	1.5	150-2500	2	245×285×140	52 41 44312

Platform shakers, orbital

Rotamax 120 – The compact model

- Wide range or accessories, attachments and clamps for up to 36 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
- Your analog process timer allows for unattended operation and can be set from 1 to 120 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- Rotamax 120 is a compact and space saving unit that accepts load capacities of 2 kg and offers space for 4 medium sized culture plates



Unimax 1010 – The incubating model

- Includes all Rotamax/Unimax features, plus:
- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature control up to 65°C
- 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
- Your digital process timer allows for unattended operation and can be set from 1 to 999 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- The Unimax 1010 is a medium sized model and accepts load capacities of 5 kg

Unimax 2010 – The resilient model

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



Type	Orbit mm	Speed range 1/min	Loading wght kg	W × D × H mm	Order No.
④ Rotamax 120	20	20-300	2	245×285×125	52 41 44120
⑤ Unimax 1010	10	30-500	5	320×125×375	52 41 43123
Unimax 2010	20	20-400	10	415×455×135	52 41 42100

Platform shakers, reciprocating

Promax 1020 – The incubating model

- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature control up to 65 °C
- Wide range of accessories, attachments and clamps for separatory funnels available
- With a stroke length of 32 mm the Promax model performs an ideal motion for separatory funnels
- Set and continuously adjust the variable speed on the digital display from 30 to 250 rpm
- Your digital process timer allows for unattended operation and can be set from 1 to 999 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- The Promax 1020 is a medium sized model and accepts load capacities of 5 kg

Promax 2020 – The resilient model

- Includes all Promax 1020 features, plus:
- With a stroke length of 20 mm this Promax model can mix larger volumes with ease
- Set and continuously adjust the variable speed on the digital display from 20 to 400 rpm – ideal for separations
- Your digital process timer allows for unattended operation and can be set from 1 to 120 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- The Promax 2020 is a large model and accept a load capacity of 10 kg for high sample throughput



Type	Orbit mm	Speed range 1/min	Loading wght kg	W × D × H mm	Order No.
⑥ Promax 1020	32	20-250	5	320×125×375	52 41 54320
Promax 2020	20	20-400	10	415×135×455	52 41 54220

Platform shakers, rocking

Duomax 1030 – The incubating model

- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature settings
- Choose your angle between these two options:
tilt angle of 5° for soft and gentle movements or
tilt angle of 10° for a much stronger motion
- Set and continuously adjust the variable speed on the analog control knob from 2 to 50 rpm – ideal for media bottles
- Your analog process timer allows for unattended operation and can be set from 1 to 120 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- The Duomax 1030 is a medium sized model and accepts load capacities of 5 kg



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Type	Angle °	Speed range 1/min	Loading wght kg	W x D x H mm	Order No.
Duomax 1030	5	2-50	5	320x185x375	52 41 32205
⑦ Duomax 1030	10	2-50	5	320x185x375	52 41 32210

Platform shakers, wave

Polymax 1040 – The incubating model

- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature control up to 65°
- Choose your angle between these two options:
tilt angle of 5° for soft and gentle movements or
tilt angle of 10° for a much stronger motion
- Use this model for any vessel – from culture plates, media bottles and Erlenmeyer flasks – there is no limit
- Set and continuously adjust the variable speed on the analog control knob from 2 to 50 rpm – ideal for cell culture plates
- Your analog process timer allows for unattended operation and can be set from 1 to 120 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- The Polymax 1040 is a medium sized model and accepts load capacities of 5 kg



⑧

Polymax 2040 – The resilient model

- Set and continuously adjust the variable speed on the digital display from 2.5 to 50 rpm – ideal for cell culture plates
- Your digital process timer allows for unattended operation and can be set from 1 to 120 minutes. After time expires this model sends an acoustic alarm and operation is stopped
- The Polymax 2040 is a large model and accepts load capacity of 10 kg for high sample throughput

Type	Angle °	Speed range 1/min	Loading wght kg	W x D x H mm	Order No.
⑧ Polymax 1040	5	2-50	5	320x375x195	52 41 42205
Polymax 1040	10	2-50	5	320x375x195	52 41 42210
Polymax 2040	5	2.5-50	10	415x455x208	52 41 40005
Polymax 2040	10	2.5-50	10	415x455x208	52 41 40010

Incubator 1000

This truly unique gives you all in one: Shaking, mixing and heating with visual reaction control at all times. These platform shakers are compatible with the incubator system: Duomax 1030, Polymax 1040, Titramax 1000, Unimax 1010 und Promax 1020

- Heating module allows for gentle temperature adjustments up to 65°C
- Electrical heater allows for quick and even temperature distribution throughout the entire enclosure
- Unlimited visual reaction control at all times: The transparent and non – fogging PETG construction offers it all
- Three options available: A flat hood for small vessels and microtiter plates, a high hood for all common medium sized vessels and even a high hood XL for larger Erlenmeyer flasks up to 2,000 ml
- Immediate access: The incubator hood opens instantly and interlocks in any position
- Use ONE incubator for numerous shakers – interchangeability is ensured and takes less than 2 minutes. You can incubate and mix simultaneously or independently

Heating module

- Heating capacity of 300 W allows for quick temperature adjustment
- Digital temperature settings up to 65°C and separate display for actual temperature
- To protect your sample from thermal damages this unit features a safety circuit to prevent overheating
- Electrical heater comes with low – noise blower and provides accuracy of ±2°C up to 50°C and ±4°C over 50°C



⑨

Type	W x D x H mm	Order No.
⑨ Incubator 1000, heating module	170x350x97	52 41 49900
Incubation hood, flat	546x394x163	52 41 49904
Incubation hood, high	546x394x267	52 41 49903
Incubation hood XL, high	546x394x428	10 41 49906



Complete package at a set price

Titramax package

This package includes:

- 1 × vibrating platform shaker Titramax 1000
- 1 × heating module and
- 1 × flat incubator hood

Unimax package

This package includes:

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

Article	Order No.
⑩ Set Titramax 1000/heating module/flat hood	52 41 44109
⑪ Set Unimax 1010/heating module/high hood	52 41 43119

Accessories for shakers

Category B

Article	Order No.
Attachment with 2 clamping rollers	52 41 81000

Category C

Article	Order No.
Test tube attachment for 49 tubes	52 41 82000
Test tube attachment for 36 tubes	52 41 83000

Category D

Article	Order No.
Attachment for max. 22 Erlenmeyer flasks, 25 ml	52 41 72000
Attachment for max. 14 Erlenmeyer flasks, 50 ml	52 41 73000
Attachment for max. 9 Erlenmeyer flasks, 100 ml	52 41 74000
Attachment for max. 5 Erlenmeyer flasks, 250 ml	52 41 75000
Attachment for max. 4 Erlenmeyer flasks, 500 ml	52 41 76000
Attachment for max. 2 Erlenmeyer flasks, 1000 ml	52 41 77000
Attachment with 2 clamping rollers	52 41 70000
Clamping roller	52 41 71000
Holder for separating funnels	52 41 78000

Category E

Article	Order No.
Tray with universal perforation	52 41 59000
Clamp size 1	52 41 51000
For Erlenmeyer flasks 25 ml, max. 36 pcs/tray	
Clamp size 2	52 41 52000
For Erlenmeyer flasks 50 ml, max. 36 pcs/tray	
Clamp size 3	52 41 53000
For Erlenmeyer flasks 100 ml, max. 23 pcs/tray	
Clamp size 4	52 41 54000
For Erlenmeyer flasks 250 ml, max. 12 pcs/tray	
Clamp size 5	52 41 55000
For Erlenmeyer flasks 500 ml, max. 9 pcs/tray	
Clamp size 6	52 41 56000
For Erlenmeyer flasks 1000 ml, max. 5 pcs/tray	
Clamp for separatory funnels size 1	52 41 57000
250 ml max. 4 pcs/tray, 500 ml max. 3 pcs/tray, 1000 ml max. 3	
Clamp for separatory funnels size 2	52 41 61000
2000 ml max. 2 pcs/tray	
Base frame	52 41 50000
Together with tension rollers for fastening random vessels	
Clamping roller for base frame	52 41 58000
Order at least 2	
Assembly parts	52 41 62000
For multi-tier set-up	

