

BIOLOGIX[®]



BIOLOGIX INSTRUMENTS

www.BiologixGroup.com



Biologix Group Ltd is founded in USA in the year 2000 and has since been committed to the design and manufacture of high quality, low-priced scientific and biomedical supplies. Throughout its long company history, Biologix has excelled at providing top quality laboratory supplies to distributors at unbeatable prices. Time and time again, after consistently delivering on this promise and expectation, its customers have positioned Biologix among the top manufacturers of laboratory supplies in the world.

Most products manufactured in our U.S. FDA registered facilities are certified sterile, DNase and RNase Free, and non-pyrogenic using the highest quality, international famous medical-grade plastic materials. Some of the world's top branded laboratory supplies, in vitro diagnostic kits, and medical devices are also produced as OEM and/or Private Labeled products.

Biologix Group Ltd strives to provide its customers with just what they are looking for by engaging in market research and participating in continuous new product development. Your product needs and demands are important to us and our new product development system is designed to better support your needs as our customer. Our focus is on building long term relationships, allowing us to have a better understanding of the knowledge and experience you need to be successful in your market.

With 15 years of know-how, we have developed a focus on meticulous control, constant improvement and innovation, as well as setting standards of excellence in our industry. We are proud to serve thousands of laboratories across the United States, as well as hundreds of distributors around the world.



Biologix Products

Biologix Consumables

Sample Centrifugation and Concentration	Microbiology
PCR	Histology
Cryogenic	Drosophila
Liquid Handling	Racks & Boxes
Tissue Culture	Gloves

*For more information about Biologix laboratory consumables, please refer to our full catalog.



CryoKING Cryogenic Products

CryoKING Cryogenic Vials
CryoKING Cryogenic Boxes
CryoKING Comb
CryoKING Cryogenic Racks
CryoKING Scanner&Software
CryoKING BioBank Management Software

*For more information about CryoKING products, please refer to CryoKING catalog.

Biologix Instruments

Liquid Handling & Mixing
Electrophoresis
Thermocyclers
Centrifuges
BluView Transilluminator
Dry Bath Incubators

Private Label and OEM

Biologix also operates as an OEM provider for plastic laboratory consumables. With in-house molding and tooling capabilities, we can provide the specific products needed around the world at significantly lower costs. Biologix is currently supplying some of the top global distributors with its OEM products.

Biologix also offers a Private Labeling Program to provide high quality, branded lab supplies at reduced prices. Many of the Biologix products are currently private labeled and sold worldwide by some of the most prominent brands/distributors.

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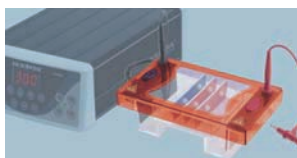
Certifications





Liquid Handling

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Electrophoresis

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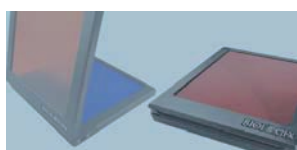
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MicroPette plus Single-channel Pipettes

01-2101 (0.5-10µL)

01-2102 (20-200µL)

01-2110 (100-1000µL)

- Fully autoclavable
- Light pipetting forces and ergonomic design
- Clear and easy-to-read display with large numbers and small increments
- The pipettes cover volume range of 0.5µL to 1mL
- Easy to calibrate and maintain with tool supplied
- Manufactured from innovative material
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate



Pipette Stands (01-2306)

The linear stand can hold up to 6 single and multi-channel pipettes

MicroPette plus 8-channel Pipettes

01-2801 (0.5-10µL)

01-2805 (5-50µL)

01-2830 (50-300µL)

- 8 channel pipettes are available for standard 96-well plates
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips

Specifications

MicroPette Plus Mechanical Pipettes
(Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.00%	0.1	0.80%	0.08
		5µL	1.50%	0.075	1.50%	0.075
		1µL	2.50%	0.025	1.50%	0.015
20-200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		20µL	3.00%	0.6	1.00%	0.2
100-1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		100µL	2.00%	2	0.70%	0.7

8-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5-50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50-300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

Fully autoclavable

The MicroPette Plus pipettes can be fully autoclaved and withstood steam sterilization at 121°C, 1 atm for 20 minutes. The pipettes can be autoclaved without special preparation. After autoclaving the pipette must be cooled down and left to dry for 12 hours. It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal of the pipette after every 10 autoclave cycles.



01-220X

Features

- Pipette controller for use with pipettes from 0.1 - 100mL
- Eight speeds are available for aspirate and dispense liquid
- Large LCD display provides visual confirmation of remaining battery charge and speed settings
- Easy for one-handed operation
- Lightweight, ergonomic designs allow longer, fatigue-free pipetting
- Efficient lithium-ion battery offers long runtime on each charge
- Low battery alert
- Powerful motor fills a 25mL pipette in <5 seconds
- Supplied with integral but replaceable 0.45µm filter
- Can be used while charging

Large LCD display provides the remaining battery life and speed settings

Select the desired speed by press the button +/-



Comfortable aspirate and dispense triggers

The dispense button is pressed only up to a point where a check can be felt, the dispensing function will be based on the force of gravity and the liquid will simply flow out

The 0.45µm filter and adapter can be integral and replaceable

Silicone adapter suitable for 0.1-100mL pipettes that can be fully autoclaved at 121



Specifications

Aspirate Speeds	8
Dispense Speeds	8 Gravity Dispense
Battery	Lithium-Ion
Battery Service Life	More than 8 Hours of Intermittence Use
Charging Time	2~3 Hours
Pipette Types	Glass or Plastic Pipette(0.1-100mL), Pasteur Pipettes
Filter	0.45 µm Hydrophobic

300V Power Supply

The Biologix 300V Power Supply is ideal for a variety of DNA, RNA, and protein electrophoresis as well as blotting. These safe and user-friendly power supplies have advanced specifications, high performance, long life spans, and compact sizing.

03-2300 / 03-1300

- Universal transformer 100V-240V, suitable for all countries
- Multiple safety features for your protection: no load detection, shrouded plugs and sockets, leakage detection, over temp protection, crossover protection, full floating, over current / voltage detection
- Compact, easy to operate, user friendly
- Units are stackable and programmable

03-2300

Basic power supply



03-1300

Mini power supply

Specifications

Cat. No.	03-2300	03-1300
Display	LED	LED
Output Voltage / Inc	10 - 300V / 1V	2 - 300V / 1V
Output Current / Inc	10 - 400mA / 1mA	1 - 700mA/1mA
Output Power	60W	150W
Output Type	Constant voltage / current	Constant voltage / current
Timer	1~999 minutes with alarm, continuous	1~999 minutes with alarm, continuous
Rated Voltage	100 - 240V	110 - 240V

Biologix offers two varieties of electrophoresis tank, offering a wide degree of versatility. Each is supplied with at least two different tray sizes in combination with a wider range of combs for convenient and easy operation for nucleic acid separation. Agarose gel casting is leak-proof and samples are easy to load. Molded NAS plastic construction provides leak-free durability.

03-3070 / 03-3100

- Low buffer consumption
- Injection molded tank
- At least two or three tray options available
- Multi-channel pipette compatibility (03-3100)
- Great indications of gel making and running
- No tapes, clamps, or springs required

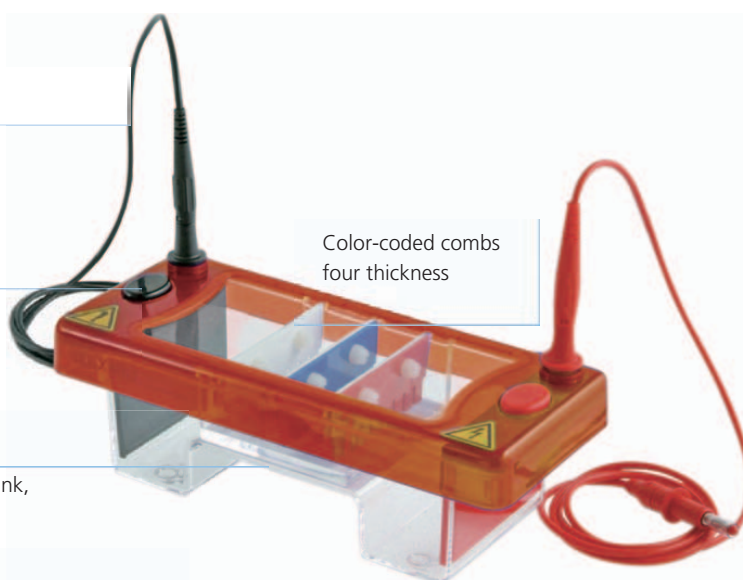
03-3070

Gel Dimensions:
70 x 70mm, 70 x 100mm



03-3100

Gel Dimensions:
100 x 70mm, 100 x 100mm



Specifications

Cat. No.	03-3070	03-3100
Unit Dimensions (W x L x H)	210 x 90 x 90mm	220 x 125 x 90mm
Gel Dimensions (W x L)	70 x 70mm 70 x 100mm	100 x 70mm 100 x 100mm
Maximum Sample	32 for 70 x 70mm 64 for 70 x 100mm	50 for 100 x 70mm 100 for 100 x 100mm
Rapid Casting Gel	Use gel maker stand	

01-700X (TC1000-G)

Thermal cyclers are essential laboratory equipment for researchers who run polymerase chain reaction (PCR) for sequencing, cloning, genotyping, mutagenesis, and many other applications. The TC1000-G has the precise temperature control system and thermal gradient to easily optimize PCR assays in a single run, makes it possible to quickly and accurately obtain large quantities of DNA needed in molecular biology, clinical diagnosis, criminal investigations and infectious disease research etc.

Features

- Provides consistent and uniform sealing across an entire block
- Excellent temperature control system
- Fast heating and cooling rate
- Large color touch screen for easy programming
- Quickly and easily identify optimal annealing temperatures by using the programmable temperature gradient

Important features for excellent results in the shortest possible time:

- Thermal gradient feature--Identifies optimal annealing temperature in a single run
- Fast heating & cooling rate--Shortens the reaction time, reduces the nonspecific combine, get the target molecules with higher purity
- Excellent temperature, uniformity and accuracy--with excellent temperature control systems on both on normal PCR and gradient PCR models, critical for users to obtain successful experiment
- Intuitive software and large touch screen--makes programming faster and easier for operation



01-700X (TC1000-G)



Specifications

	TC1000-G
Lid Temperature Range [°C]	50-110
Temperature Display Accuracy[°C]	
Temperature Accuracy[°C@55°C]	
Temperature Uniformity[°C@55°C]	
Max. Heating/Cooling Rate[°C/s]	
Gradient Temperature[°C]	
Gradient Temperature Range[°C]	
Gradient Range[°C]	
	100-120V/200-240V, 50/60Hz



01-800X (D1008) Palm Micro Centrifuge

Features

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 7000rpm fixed speed
- Equipped with 2mL x 8 and PCR8 x 2 rotors
- Quiet running, noise level ≤45 dB
- Rotor change without tools
- Accelerates and brakes in seconds
- Four colors with green, blue, yellow, and pink
- Multi-voltage



CE FC

01-800X (D1008)

CE explosion-proof safe test
IEC/EN61010-2-20



Specifications

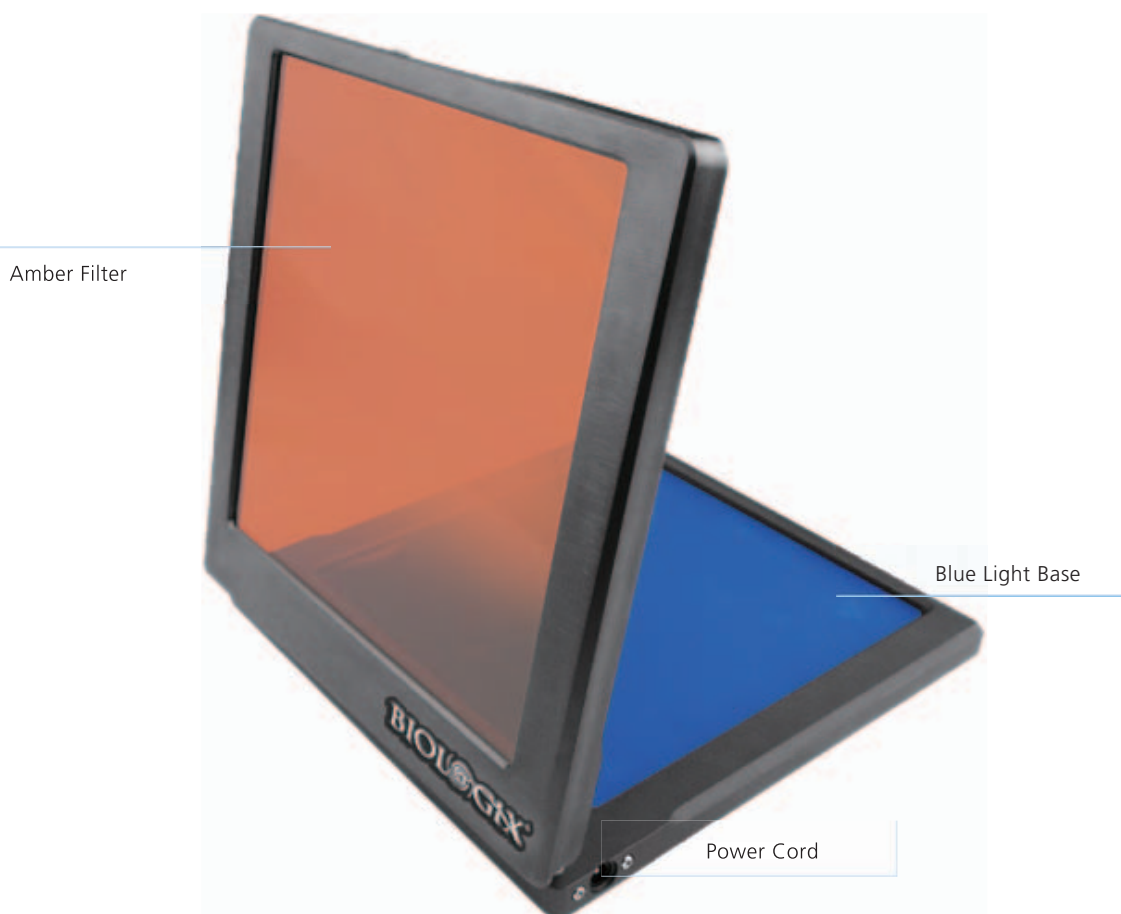
	D1008
Max. Speed [rpm]	7000
Max. RCF[xg]	2680
Rotor Capacity	0.2/0.5/1.5/2.0mLx8; 0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips
Run Time	Continuous operation
Driving Motor	DC motor
Power	AC 110-240V/50Hz/60Hz
Noise level(dB)	≤45
Dimensions [DxWxH mm]	150 x 150 x 117
Weight [kg]	0.5

BluView Transilluminator

The BluView Transilluminator provides an outstanding gel viewing experience with gel sizes less than 16 x 16 cm.

03-6200

- Aluminum alloy casing
- Weighs only 1.5kg, very lightweight
- 16 x 16 cm filter viewing surface
- Flat bed illuminator base



Specifications

Cat. No.	03-6200
Blue Light Wavelength	470 nm
Illuminator Base Design	Flat bed
Construction Material	Aluminum alloy
Dimension	200(W) x 200(L) x 28.7(H) mm
Weight	Approx. 1.5 kg
Power Adaptor	12VDC/5A, 60W Max.
Filter Viewing Surface Dimension	16 x 16 cm

Elite Dry Bath Incubator / Dry Bath Block

Biologix's line of Dry Bath Incubators is used throughout the world for analytical, diagnostic, and research purposes. This line features digital microprocessor control, user temperature calibration, and advanced temperature control, as well as user-friendly design.

Dry Bath Blocks are designed for the Biologix Dry Bath Incubators. The precisely machined aluminum alloy blocks deliver efficient heat transfer and are suitable for microplate and various test tubes ranging from 0.2 ml to 50 ml centrifuge tubes.

03-4221 / 03-4222

- Molded aluminum alloy chamber with PTFE coating resists stains and water marks
- Multi-purpose system: can be used as a mini water bath or bead bath with leak proof heating chamber
- PID temp control helps maintain temperature accuracy: no more temperature overshooting
- Outstanding heating rate
- Temperature uniformity at $\pm 0.2^{\circ}\text{C}$
- User temperature calibration available for all units



03-4221

One Block Unit



03-4222

Dual Block Unit

Specifications

Cat. No.	03-4221	03-4222
Display	LCD Display	
Temperature Control Range	5°C above ambient to 150°C	
Temperature Increment	0.10°C	
Temperature Accuracy at 37°C	+ - 0.20°C	
Timer	Up to 99 (hr) : 59 (min), continuous	

Dry Bath Blocks

03-5002	For 0.2 ml tube, 64 wells (or 0.2 ml PCR Strip tube for 8 wells x 8)
03-5005	For 0.5 ml tube, 20 wells
03-5015	For 1.5 ml or 2.0 ml tube, 20 wells
03-5017	For 15 ml centrifuge tube, 12 wells
03-5029	For 50 ml centrifuge tube, 4 wells



03-5002



03-5005



03-5015



03-5029



03-5017

01-310X (MS-H280-Pro) LED Digital Magnetic Hotplate Stirrer

Features

- Digital control system is ideal for applications of Analytical and biological Laboratory.
- Temperature up to 280°C
- Electronic speed control, the max speed is 1500rpm.
- Stainless steel with ceramic coated hotplate allows immediate heat transfer for quick heat-up times, chemical-resistant and scratchproof
- External temperature sensor PT1000 is available and control accuracy of $\pm 0.5^{\circ}\text{C}$, real-time control medium temperature.
- LED display temperature and speed.
- 50°C HOT warning indicates residual hotplate temperature.
- ABS casing with fire retardant material, resistance of weak acid and alkali



01-310X (MS-H280-Pro)

With external temperature sensor
PT1000



Specifications

Dimension of work plate [mm]	φ135(5 inch)
Work plate material	Stainless steel with ceramic coated
Motor type	DC motor
Motor rating input[w]	5
Motor rating output[w]	3
Power [W]	515
Voltage [VAC]	100-120/200-240
Frequency [Hz]	50/60
Stirring positions	1
Max. stirring quantity[H ₂ O], L	3
Max. magnetic bar(L x Ø) [mm]	50
Speed range [rpm]	100-1500
Speed display	LED
Heating output [W]	500
Heating temperature range [°C]	Room temp.-280, increment 1
Control accuracy of work plate [°C]	$\pm 1(<100^{\circ}\text{C})$ $\pm 1(>100^{\circ}\text{C})$
Safety temperature [°C]	320
Speed display	LED
Temperature display	± 1
External temperature sensor	PT1000
Control accuracy with external temperature sensor PT1000 [$\pm^{\circ}\text{C}$]	± 0.5
Heating warning [°C]	50°C
Remote control (RS232 interface)	N/A
Protection class	IP21
Dimension [W x D x H] mm	150x260x80
Weight [kg]	1.8
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%

01-320X

Ultra-flat Compact Magnetic Stirrer

Ultra-flat compact magnetic stirrer, provides better mixing and is ideal for the application of physical-chemical, analysis and biotech labs.

- Speed range of 15-1500rpm
- Automatic reverse rotation for better mixing result
- High IP protection class (IP 65)
- Set-up plate is made from chemically resistant materials
- Slip-proof and stable



Specifications

Voltage[VAC]	100-240
Frequency [Hz]	50/60
Motor rating input[W]	5
Motor rating output[W]	3
Speed range[rpm]	15-1500
Max. stirring quantity[H ₂ O,L]	0.8
Max. load capacity[kg]	2.0
Dimension of work plate[mm]	90×90
Material	ABS
Dimension[W×D×H]	175×120×15
Weight[kg]	0.3
Permissible relative temperature[°C]	5-40
Permissible relative humidity	80%
DIN EN60529	IP65

Vortex Mixer

01-110X (MX-S)

Features

- Touch and continuous operations
- Speed range of 0-2500rpm, stepless speed regulation
- Used for various mixing applications with optional adapters
- Specially designed vacuum suction feet for stability to the work surface and prevent the unit from movement
- Aluminium cast base avoids unnecessary "walking"



01-110X (MX-S)

With standard top cup VT1.1 adjustable speed



Vortex Mixers

Vortex Mixers are ideal instruments for gentle mixing to vigorous resuspension of cells and biological and chemical liquid components in tubes using an eccentric mechanism. They are widely used in life science, physical and chemical analysis fields.

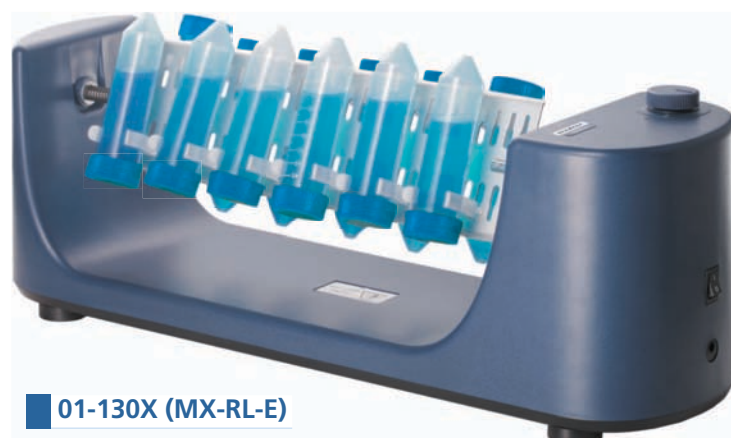


01-130X (MX-RL-E) / 01-120X (MX-RD-E) Classic Rotator

Features

- Give gentle but effective mixing of biological samples
- Compact space-saving design fits easily in the incubator
- End-over-end or rolling action, gives gentle but effective mixing
- Used with a wide variety of accessories, for micro tubes with a volume range of 1.5mL-50mL
- Adjustable speed range of 0 to 80 rpm

01-120X (MX-RD-E)



01-130X (MX-RL-E)

Specifications

	MX-RD-E / MX-RL-E
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	20
Motor type	DC motor
Tilt angle [°]	90
Speed range [rpm]	0-80
Speed display	-
Timer	-
Timer display	-
Time setting range [min]	-
Operation type	Continuous
Dimensions [D×W×H mm]	150X530X190(MX-RL-E) 300X220X310(MX-RD-E)
Weight [kg]	1.7(MX-RL-E) 2.0(MX-RD-E)
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class acc. To DIN EN60529	IP21



01-620X (SK-O180-E) / 01-610X (SK-L180-E) Classic Orbital and Linear Shakers

Features

- Orbital and linear shakers with ideal an shaking motion, for a maximum shaking weight (with platform) of 3kg
- Compact space-saving design fits easily in the incubator and refrigerator
- Continuous operation, speed range of 0-200 rpm
- Wide range of platforms for use with a variety of vessels
- Comes with a trans platform
- Multi-voltage



Specifications

	SK-O180-E SK-L180-E
Voltage[VAC]	100-240
Frequency[Hz]	50/60
Power[W]	30
Shaking motion	Orbital /Linear
Orbital diameter[mm]	20
Max. load capacity (with platform) [kg]	3
Motor type	DC motor
Motor rating input[W]	16
Motor rating output[W]	10
Speed range[rpm]	0-200
Speed display	-
Timer	-
Timer display	-
Time setting range	-
Operation type	Continuous operation
Dimensions[WxDxH mm]	330x110x270
Weight[kg]	3.1
Permissible ambient temperature[°C]	5-40
Permissible relative humidity	80%
Protection class acc. DIN EN60529	IP21
RS232 interface	-



01-630X (SK-R1807-E) / 01-640X (SK-D1807-E) Classic Rocking Shaker / Classic 3D Shaker

Features

- Rocking shaker & 3D shaker with ideal shaking motion, for a maximum shaking weight(with platform) of 3kg
- Compact space-saving design fits easily in the incubator and cryogenic box
- Wide range of platforms for use with a variety of vessels
- Aluminium-alloyed platform provides strong bearing capability, with non-slip mat holds vessels and prevents slipping
- Continuous operation, speed range of 0-80 rpm
- Comes with a trans platform
- Multi-voltage

01-640X (SK-D1807-E)

With non-slip mat

01-630X (SK-R1807-E)

With non-slip mat

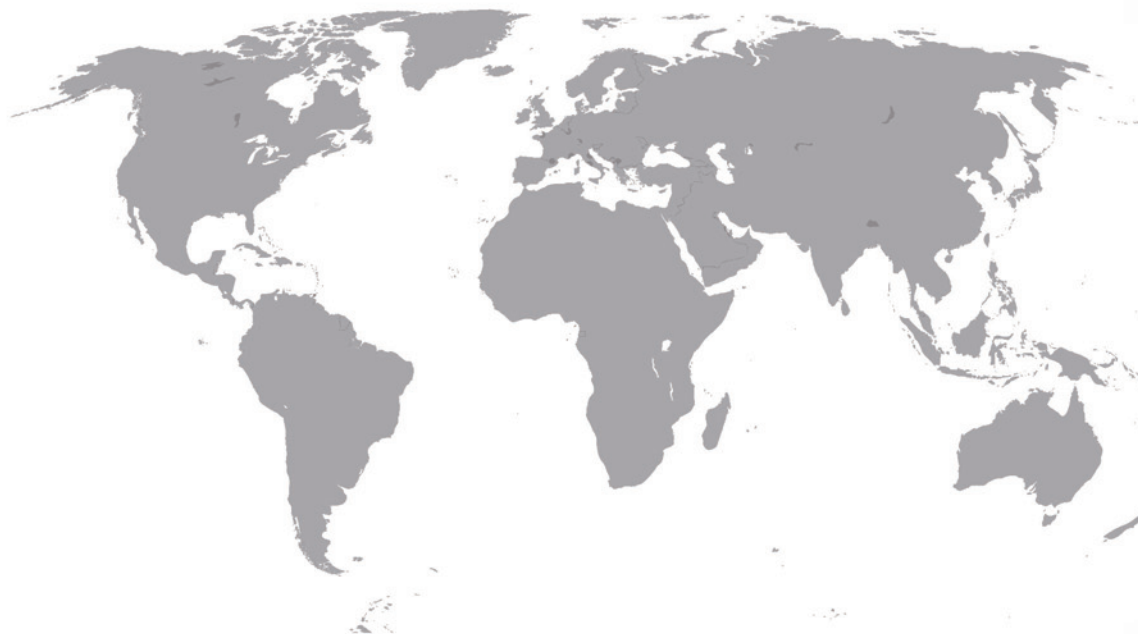


Rocking Shakers & 3D Shakers

Rocking shakers and 3D shakers are suitable for mixing applications in wide fields including, gel staining and destaining, washes, hybridisations, immune precipitation and Western blots etc.

Specifications

	SK-D1807-E	SK-R1807-E
Voltage [VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power [W]	20	20
Motor type	DC motor	DC motor
Rocking motion	3D orbital	See-saw rocking
Tilt angle [°]	7°	7°
Max. load capacity (with platform) [kg]	3	3
Speed range [rpm]	0-80	0-80
Speed display	-	-
Timer	-	-
Timer display	-	-
Time setting range	-	-
Operation type	Continuous operation	Continuous operation
Dimensions[WxDxH mm]	270x330x130	270x330x130
Weight [kg]	2.7	3.2
Permissible ambient temperature [°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. To DIN EN60529	IP21	IP21



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