

DRAGONLAB

Scaling new heights in research



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TopPette

Single/Multichannel

Pipettor

Simply turn the plunger button
for volume selection

Finger support keeps the instrument
in place with minimum user effort

Tip ejector allows convenient
one-handed operation



Ejector collar and tip cone
can be removed



Durable tip cone materials
provide excellent chemical resistance



Features

- Lightweight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettors cover the volume range from 0.1ul to 5000ul
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries

Features for Multi-channel pipettors

- 8- and 12-channel pipettors are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston/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.
- Calibrated in accordance with ISO/DIS 8655. Each pipettor supplied with individual test certificate.

Ordering information of TopPette Mechanical (Adjustable Volume) Pipettors

Cat No.	Volume Range	Increment	Test Volume	Inaccuracy (±)	Imprecision (±)
711111010000	0.1-2.5 µl	0.05 µl	2.5 µl	2.00%	2.00%
			1.25 µl	3.00%	3.00%
			0.25 µl	12.00%	6.00%
711111040000	0.5-10 µl	0.1 µl	10 µl	1.00%	0.80%
			5 µl	1.50%	1.50%
711111050000	2-20 µl	0.5 µl	20 µl	0.90%	0.40%
			10 µl	1.20%	1.00%
711111060000	5-50 µl	0.5 µl	50 µl	0.60%	0.30%
			25 µl	0.90%	0.60%
711111080000	10-100 µl	1 µl	100 µl	0.80%	0.15%
			50 µl	1.00%	0.40%
711111090000	20-200 µl	1 µl	200 µl	0.60%	0.15%
			100 µl	0.80%	0.30%
711111100000	50-200 µl	1 µl	200 µl	0.60%	0.15%
			100 µl	0.80%	0.30%
711111140000	100-1000 µl	5 µl	1000 µl	0.60%	0.20%
			500 µl	0.70%	0.25%
			200 µl	2.00%	0.70%
711111160000	200-1000 µl	5 µl	1000 µl	0.60%	0.20%
			500 µl	0.70%	0.25%
			200 µl	0.90%	0.30%
711111170000	1000-5000 µl	50 µl	5000 µl	0.50%	0.15%
			2500 µl	0.60%	0.30%
			1000 µl	0.70%	0.30%
711112040000	0.5-10 µl	0.1 µl	10 µl	1.50%	1.50%
			5 µl	2.50%	2.50%
			1 µl	4.00%	4.00%
8-channel	5-50 µl	0.5 µl	50 µl	1.00%	0.50%
			25 µl	1.50%	1.00%
			5 µl	3.00%	2.00%
711112120000	50-300 µl	5 µl	300 µl	0.70%	0.25%
			150 µl	1.00%	0.50%
			50 µl	1.50%	0.80%
711113040000	0.5-10 µl	0.1 µl	10 µl	1.50%	1.50%
			5 µl	2.50%	2.50%
			1 µl	4.00%	4.00%
12-channel	5-50 µl	0.5 µl	50 µl	1.00%	0.50%
			25 µl	1.50%	1.00%
			5 µl	3.00%	2.00%
711113120000	50-300 µl	5 µl	300 µl	0.70%	0.25%
			150 µl	1.00%	0.50%
			50 µl	1.50%	0.80%

* O.E.M. option also available.

* Design & Specification of Pipettor & its accessories are subject to change without prior notice.

Ordering information of TopPette Mechanical (Fixed Volume) Pipettors

Cat No.	Volume Range	Test Volume	Inaccuracy (±)	Imprecision (±)
711121180000	5 µl	5 µl	1.3%	1.2%
711121190000	10 µl	10 µl	0.8%	0.8%
711121200000	20 µl	20 µl	0.6%	0.5%
711121210000	25 µl	25 µl	0.5%	0.3%
711121220000	50 µl	50 µl	0.5%	0.3%
711121230000	100 µl	100 µl	0.5%	0.3%
711121240000	200 µl	200 µl	0.4%	0.2%
711121250000	250 µl	250 µl	0.4%	0.2%
711121260000	500 µl	500 µl	0.3%	0.2%
711121270000	1000 µl	1000 µl	0.3%	0.2%
711121280000	2000 µl	2000 µl	0.3%	0.15%
711121290000	5000 µl	5000 µl	0.3%	0.15%

Pipette Stand	Description
710000850000	Linear stand holds up to 6 pipettors

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DRAGONLAB

Scaling New Heights in Research

MicroPette

Single/Multichannel

Pipettor



CE ISO 9001/13485
CERTIFIED

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Dragon Laboratory Instruments Limited

Cat No. 330031

Simply turn the plunger button for volume selection

Finger support keeps the instrument in place with minimum user effort

Tip ejector allows convenient one-handed operation



Ejector collar and tip cone can be removed



Durable tip cone materials provide excellent chemical resistance



Features

- Lightweight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettors cover the volume range from 0.1ul to 5000ul
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Manufactured from modern innovative material

Features for Multi-channel pipettors

- 8- and 12-channel pipettors are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston/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.
- Calibrated in accordance with ISO/DIS 8655. Each pipettor supplied with individual test certificate.

Ordering information of MicroPette Mechanical (Adjustable Volume) Pipettors

Cat No.	Volume Range	Increment	Test Volume	Inaccuracy (±)	Imprecision (±)	
712111010000	0.1-2.5 µl	0.05 µl	2.5 µl	2.50%	2.00%	
			1.25 µl	3.00%	3.00%	
			0.25 µl	12.00%	6.00%	
712111040000	0.5-10 µl	0.1 µl	10 µl	1.00%	0.80%	
			5 µl	1.50%	1.50%	
			1 µl	2.50%	1.50%	
712111050000	2-20 µl	0.5 µl	20 µl	0.90%	0.40%	
			10 µl	1.20%	1.00%	
			2 µl	3.00%	2.00%	
712111060000	5-50 µl	0.5 µl	50 µl	0.60%	0.30%	
			25 µl	0.90%	0.60%	
			5 µl	2.00%	2.00%	
712111080000	10-100 µl	1 µl	100 µl	0.80%	0.15%	
			50 µl	1.00%	0.40%	
			10 µl	3.00%	1.50%	
712111090000	20-200 µl	1 µl	200 µl	0.60%	0.15%	
			100 µl	0.80%	0.30%	
			20 µl	3.00%	1.00%	
712111110000	50-200 µl	1 µl	200 µl	0.60%	0.15%	
			100 µl	0.80%	0.30%	
			50 µl	1.00%	0.40%	
712111140000	100-1000 µl	5 µl	1000 µl	0.60%	0.20%	
			500 µl	0.70%	0.25%	
			100 µl	2.00%	0.70%	
712111160000	200-1000 µl	5 µl	1000 µl	0.60%	0.20%	
			500 µl	0.70%	0.25%	
			200 µl	0.90%	0.30%	
712111170000	1000-5000 µl	50 µl	5000 µl	0.50%	0.15%	
			2500 µl	0.80%	0.30%	
			1000 µl	0.70%	0.30%	
712112040000	0.5-10 µl	0.1 µl	10 µl	1.50%	1.50%	
			5 µl	2.50%	2.50%	
			1 µl	4.00%	4.00%	
8-channel	712112060000	5-50 µl	0.5 µl	50 µl	1.00%	0.50%
				25 µl	1.50%	1.00%
				5 µl	3.00%	2.00%
712112120000	50-300 µl	5 µl	300 µl	0.70%	0.25%	
			150 µl	1.00%	0.50%	
			50 µl	1.50%	0.80%	
712113040000	0.5-10 µl	0.1 µl	10 µl	1.50%	1.50%	
			5 µl	2.50%	2.50%	
			1 µl	4.00%	4.00%	
12-channel	712113060000	5-50 µl	0.5 µl	50 µl	1.00%	0.50%
				25 µl	1.50%	1.00%
				5 µl	3.00%	2.00%
712113120000	50-300 µl	5 µl	300 µl	0.70%	0.25%	
			150 µl	1.00%	0.50%	
			50 µl	1.50%	0.80%	

* O.E.M. option also available.

* Design & Specification of Pipettor & its accessories are subject to change without prior notice.

Ordering information of MicroPette Mechanical (Fixed Volume) Pipettors

Cat No.	Volume Range	Test Volume	Inaccuracy (±)	Imprecision (±)
712121180000	5 µl	5 µl	1.3%	1.2%
712121190000	10 µl	10 µl	0.8%	0.8%
712121200000	20 µl	20 µl	0.6%	0.5%
712121210000	25 µl	25 µl	0.5%	0.3%
712121220000	50 µl	50 µl	0.5%	0.3%
712121230000	100 µl	100 µl	0.5%	0.3%
712121240000	200 µl	200 µl	0.4%	0.2%
712121250000	250 µl	250 µl	0.4%	0.2%
712121260000	500 µl	500 µl	0.3%	0.2%
712121270000	1000 µl	1000 µl	0.3%	0.2%
712121280000	2000 µl	2000 µl	0.3%	0.15%
712121290000	5000 µl	5000 µl	0.3%	0.15%

Pipette Stand	Description
710000850000	Linear stand holds up to 6 pipettors

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MicroPette Plus

Single/Multichannel

Autoclavable Pipettor

CE ISO 9001/13485
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Cat No. 330032

Simply turn the plunger button
for volume selection

Finger support keeps the instrument
in place with minimum user effort

Tip ejector allows
convenient one-handed operation



Ejector collar and tip cone
can be removed



Durable tip cone materials
provide excellent chemical resistance



Features

- Fully autoclavable
- Lightweight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettors cover the volume range from 0.1ul to 5000ul
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Manufactured from modern innovative material

Features for Multi-channel pipettors

- 8- and 12-channel pipettors are available for standard 96-well plate
- Dispensing head rotates for optimum pipetting convenience
- Individual piston/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.
- Calibrated in accordance with ISO/DIS 8655. Each pipettor supplied with individual test certificate

Ordering information of MicroPette Plus Mechanical(Adjustable Volume) Pipettors

Cat No.	Volume Range	Increment	Test Volume	Inaccuracy (±)	Imprecision (±)
713111010000	0.1-2.5 µl	0.05 µl	2.5 µl	2.50%	2.00%
			1.25 µl	3.00%	3.00%
			0.25 µl	12.00%	6.00%
713111040000	0.5-10 µl	0.1 µl	10 µl	1.00%	0.80%
			5 µl	1.50%	1.50%
			1 µl	2.50%	1.50%
713111050000	2-20 µl	0.5 µl	20 µl	0.90%	0.40%
			10 µl	1.20%	1.00%
			2 µl	3.00%	2.00%
713111060000	5-50 µl	0.5 µl	50 µl	0.60%	0.30%
			25 µl	0.90%	0.60%
			5 µl	2.00%	2.00%
713111080000	10-100 µl	1 µl	100 µl	0.80%	0.15%
			50 µl	1.00%	0.40%
			10 µl	3.00%	1.50%
713111090000	20-200 µl	1 µl	200 µl	0.60%	0.15%
			100 µl	0.80%	0.30%
			20 µl	3.00%	1.00%
713111100000	50-200 µl	1 µl	200 µl	0.60%	0.15%
			100 µl	0.80%	0.30%
			50 µl	1.00%	0.40%
713111140000	100-1000 µl	5 µl	1000 µl	0.60%	0.20%
			500 µl	0.70%	0.25%
			100 µl	2.00%	0.70%
713111160000	200-1000 µl	5 µl	1000 µl	0.60%	0.20%
			500 µl	0.70%	0.25%
			200 µl	0.90%	0.30%
713111170000	1000-5000 µl	50 µl	5000 µl	0.50%	0.15%
			2500 µl	0.60%	0.30%
			1000 µl	0.70%	0.30%
713112040000	0.5-10 µl	0.1 µl	10 µl	1.50%	1.50%
			5 µl	2.50%	2.50%
			1 µl	4.00%	4.00%
8-channel 713112060000	5-50 µl	0.5 µl	50 µl	1.00%	0.50%
			25 µl	1.50%	1.00%
			5 µl	3.00%	2.00%
713112120000	50-300 µl	5 µl	300 µl	0.70%	0.25%
			150 µl	1.00%	0.50%
			50 µl	1.50%	0.80%
713113040000	0.5-10 µl	0.1 µl	10 µl	1.50%	1.50%
			5 µl	2.50%	2.50%
			1 µl	4.00%	4.00%
12-channel 713113060000	5-50 µl	0.5 µl	50 µl	1.00%	0.50%
			25 µl	1.50%	1.00%
			5 µl	3.00%	2.00%
713113120000	50-300 µl	5 µl	300 µl	0.70%	0.25%
			150 µl	1.00%	0.50%
			50 µl	1.50%	0.80%

* O.E.M. option also available.

* Design & Specification of Pipettor & its accessories are subject to change without prior notice.

Ordering information of MicroPette Plus Mechanical(Fixed Volume) Pipettors

Cat No.	Volume Range	Test Volume	Inaccuracy (±)	Imprecision (±)
713121180000	5 µl	5 µl	1.3%	1.2%
713121190000	10 µl	10 µl	0.8%	0.8%
713121200000	20 µl	20 µl	0.6%	0.5%
713121210000	25 µl	25 µl	0.5%	0.3%
713121220000	50 µl	50 µl	0.5%	0.3%
713121230000	100 µl	100 µl	0.5%	0.3%
713121240000	200 µl	200 µl	0.4%	0.2%
713121250000	250 µl	250 µl	0.4%	0.2%
713121260000	500 µl	500 µl	0.3%	0.2%
713121270000	1000 µl	1000 µl	0.3%	0.2%
713121280000	2000 µl	2000 µl	0.3%	0.15%
713121290000	5000 µl	5000 µl	0.3%	0.15%

Pipette Stand	Description
710000840000	Round stand, holds up to 6 pipettors

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NEW!

Stepper

StepMate



10 µl	10 µl
20 µl	20 µl
50 µl	50 µl
100 µl	100 µl
125 µl	125 µl
250 µl	250 µl
500 µl	500 µl
1000 µl	1000 µl
1250 µl	1250 µl
2500 µl	2500 µl
5000 µl	5000 µl

Optimized for smooth dispensing of even the smallest volumes

Five easy-to-select settings control dispensing volume, right or left-hand operation

By pushing the slide upwards, the syringe is filled up

The stop lever secures the syringe inserted



Features:

- Lightweight and ergonomic
- One-hand operation
- Factory calibrated
- Volumes from 10µl to 5ml can be dispensed
- Maintenance-free
- Equipped with durable tip insertion lever
- Works with seven sizes of disposable, polypropylene syringes from 0.5ml to 50ml

Main Data Description

Dial setting	1	2	3	4	5		
Number of doses	48	23	15	11	8		
Syringe volume (ml)	Sample volume (µl)					A %	P %
0.50	10	20	30	40	50	± 0.8	≤ 0.7
1.25	25	50	75	100	125	± 0.8	≤ 0.5
2.50	50	100	150	200	250	± 0.8	≤ 0.4
5.00	100	200	300	400	500	± 0.4	≤ 0.3
12.50	250	500	750	1000	1250	± 0.3	≤ 0.3
25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3
50.00	1000	2000	3000	4000	5000	± 0.2	≤ 0.2

Note: The first and last dispensing liquid should be discarded or back into container vessel.

Ordering information

Cat No.	Description
72010000000	StepMate
17900024	0.5 ml, piston PE-HD, cylinder PP, non-sterile, 1pc, 100pcs/packing
17900025	1.25 ml, piston PE-HD, cylinder PP, non-sterile, 1pc, 100pcs/packing
17900026	2.5 ml, piston PE-HD, cylinder PP, non-sterile, 1pc, 100pcs/packing
17900027	5.0 ml, piston PE-HD, cylinder PP, non-sterile, 1pc, 100pcs/packing
17900028	12.5 ml, piston PE-HD, cylinder PP, non-sterile, 1pc, 100pcs/packing
17900029	25.0 ml, piston PE-HD, cylinder PP, non-sterile, 50pcs/packing with adapter, 1pc
17900030	50.0 ml, piston PE-HD, cylinder PP, non-sterile, 25pcs/packing with adapter, 1pc

* O.E.M. option also available.
 * Design & Specification of Pipettor & its accessories are subject to change without prior notice.

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Pipette
Levo

Controller





Ordering information

Cat No.	Description
740100010000	Levo - Blue
740100020000	Levo - Red
740100030000	Levo - Green
740100040000	Levo - Yellow
740100050000	Levo - Pink

Accessories

Cat No.	Description
17000110	Filter 3.0um, 1pc each pk

* O.E.M. option also available.

* Design & Specification of Levo Pipette Controller & its accessories are subject to change without prior notice.

Features:

- ❑ Comfortable and simple to use
- ❑ Precise pipetting control
- ❑ Robust and lightweight
- ❑ 1-100ml volumetric or serological pipettes can be used
- ❑ Uses integral and replaceable 3um filter
- ❑ Easy to maintain and clean
- ❑ Five colors
- ❑ Autoclavable silicone pipette holder

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Motorized Pipette Filler

Levo Plus





Features:

- ❑ A full volume range of 1-100ml
- ❑ Easy to one-handed operation
- ❑ Lightweight, ergonomic design allows longer, fatigue-free pipetting
- ❑ Suitable for all types of pipettes 1-100ml
- ❑ Lithium-ion battery provides long runtime charge and no battery memory problems
- ❑ Low battery indication
- ❑ Powerful motor fills a 25ml pipette in <5 seconds
- ❑ Supplied with integral but replaceable 0.45um filter
- ❑ Can be used while recharging

Ordering information

Cat No.	Description
740200010000	Levo Plus with AC adapter, spare 0.45um filter and wall stand, Euro plug
740200020000	Levo Plus with AC adapter, spare 0.45um filter and wall stand, North America plug

Accessories

Cat No.	Description
17000103	Filter 0.45um, 1pc each pk

Main Data Description

Aspirate Speeds	8
Dispense Speeds	8 & Gravity Dispense
Battery	Lithium-Ion
Battery Service Life	More than 8 Hours of Intermittence Use
Charging Time	Approx.2 Hours
Pipette Types	Glass or Plastic Pipettes(0.1-100ml); Pasteur Pipettes
Filter	0.45µm Hydrophobic

* O.E.M. option also available.

* Design & Specification of Pipette Filler & its accessories are subject to change without prior notice.

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Website: Http://www.dragon-lab.com

DispensMate Plus Dispenser





Features:

- * Excellent chemical resistance
- * Entirely autoclavable at 121°C
- * Four ranges of bottle top dispenser cover a volume range of 0.5ml to 50ml
- * Easy to clean and maintain
- * The optional flexible discharge tube with safety handle permits fast and precise dispensing
- * Made of PTFE, ETFE, FEP, BGS, PP
- * Vapor pressure Max. 500mbar, viscosity max. 500mm²/s, temperature max. 40°C, density max. 2.2g/cm³
- * Adaptor allow fitting to standard reagent bottles
- * DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

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NEW!

Digital (Enhanced) Overhead Stirrer

OS40 - PRO / OS20 - PRO



Main data description	OS40-Pro	OS20-Pro
Max. stirring quantity(H ₂ O)[L]	40	20
Motor rating input[W]	120	60
Motor rating output[W]	100	50
Speed range[rpm]	50-2200	50-2200
Speed display accuracy[rpm]	±3	±3
Speed display	LCD	LCD
Speed display resolution[rpm]	1	1
Max. torque[Ncm]	60	40
Torque display	LCD	LCD
Overload protection	LED light flash, auto stop	LED light flash, auto stop
Motor protect	LED light flash, auto stop	LED light flash, auto stop
Viscosity max. [mPas]	50000	10000
Chuck range diameter[mm]	0.5-13	0.5-13
Rod size[dia.xl] (mm)	14x220	14x220
Dimension[W x H x D] (mm)	83x220x186	83x220x186
Weight[kg]	2.4	2.4
Voltage[VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power[W]	130	70
Protection class acc. to DIN/EN 60529	IP42	IP42
Temperature[°C]	5-40	5-40
Power[W]	130	70
Permission relative humidity[%]	80	80
Remote control(RS232 interface)	Yes	Yes



Features:

- * Accurate stirring speed control: The control technology effectively guarantees the speed precision.
- * Anti-spill samples: PC control system starts up smoothly, prevent samples overflow.
- * LCD real-time display: Setting value and actual value can be displayed. Real-time monitoring torque and speed via LCD display.
- * Overload protection: Motor would automatically stop in case of continuous overload.
- * Setting safety circuit: Automatically cut off the circuit when motor overheating and other exceptional circumstances, make sure using security.
- * Extended application: PC can control and document all measuring values via RS232 interface. Parameter can be set to carry out safety monitoring.

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NEW!

Analog(Hotplate) Magnetic Stirrer

MS-H-S/MS-S



Main Data Description	MS-H-S	MS-S
Voltage [VAC]	100-120/200-240	100-120/200-240
Frequency [Hz]	50/60	50/60
Power [W]	530	30
Stirring point position quantity	1	1
Max. stirring quantity (H ₂ O) [L]	20	20
Max. magnetic bar [mm]	80	80
Motor type	External rotor brushless motor	External rotor brushless motor
Motor rating input [W]	18	18
Motor rating output [W]	10	10
Speed range [rpm]	0 – 1500	0 – 1500
Speed display	Scale	Scale
Work plate material	Porcelain enamel / Stainless steel	Porcelain enamel / Stainless steel
Dimension of work Plate [mm]	φ135	φ135
Heating power [W]	500	—
Heating rate (1L water) [K/min]	6	—
Temperature range [°C]	RT – 340	—
Temperature display	Analog scale	—
Temperature display accuracy [°C]	350	—
Dimension (WxDxH) [mm]	280x160x85	280x160x85
Weight [kg]	2.8	2.8
Permissible ambient temperature [°C]	5 – 40	5 – 40
Permissible relative humidity	80%	80%
Protection class acc. to DIN EN60529	IP42	IP42



Ordering information

Cat No.	Description
811111010000	MS-S Analog Magnetic Stirrer, Stainless Steel, Cn plug 110V/220V/50Hz/60Hz
811111020000	MS-S Analog Magnetic Stirrer, Stainless Steel, Euro plug 110V/220V/50Hz/60Hz
811111030000	MS-S Analog Magnetic Stirrer, Stainless Steel, UK plug 110V/220V/50Hz/60Hz
811111040000	MS-S Analog Magnetic Stirrer, Stainless Steel, USA plug 110V/220V/50Hz/60Hz
811111080000	MS-S Analog Magnetic Stirrer, Porcelain enamel, Euro plug 110V/220V/50Hz/60Hz
811111120000	MS-S Analog Magnetic Stirrer, Porcelain enamel, USA plug 110V/220V/50Hz/60Hz
811111130000	MS-S Analog Magnetic Stirrer, Porcelain enamel, UK plug 110V/220V/50Hz/60Hz
811111110000	MS-S Analog Magnetic Stirrer, Porcelain enamel, Cn plug 110V/220V/50Hz/60Hz
811121010000	MS-H-S Analog Hotplate Magnetic Stirrer, Porcelain enamel, Cn plug, 220V/50Hz/60Hz
811121020000	MS-H-S Analog Hotplate Magnetic Stirrer, Porcelain enamel, USA plug, 110V/50Hz/60Hz
811121030000	MS-H-S Analog Hotplate Magnetic Stirrer, Stainless Steel, Cn plug, 220V/50Hz/60Hz
811121040000	MS-H-S Analog Hotplate Magnetic Stirrer, Stainless Steel, USA plug, 110V/50Hz/60Hz
811121050000	MS-H-S Analog Hotplate Magnetic Stirrer, Porcelain enamel, Euro plug, 220V/50Hz/60Hz
811121060000	MS-H-S Analog Hotplate Magnetic Stirrer, Porcelain enamel, UK plug, 220V/50Hz/60Hz
811121100000	MS-H-S Analog Hotplate Magnetic Stirrer, Stainless Steel, Euro plug, 220V/50Hz/60Hz
811121110000	MS-H-S Analog Hotplate Magnetic Stirrer, Stainless Steel, UK plug, 220V/50Hz/60Hz
811121150000	MS-H-S Analog Hotplate Magnetic Stirrer, Porcelain enamel, USA plug, 220V/50Hz/61Hz

Accessories

Cat No.	Description
18900006	Stirrer bar (10mm x 6mm), 1pcs each pk
18900007	Stirrer bar (15mm x 8mm), 1pcs each pk
18900008	Stirrer bar (20mm x 8mm), 1pcs each pk
18900009	Stirrer bar (25mm x 8mm), 1pcs each pk
12500005	Stirrer bar (30mm x 6mm), 1pcs each pk
18900011	Stirrer bar (40mm x 8mm), 1pcs each pk
12500004	Stirrer bar (51mm x 8mm), 1pcs each pk
18900013	Stirrer bar (65mm x 8mm), 1pcs each pk
18900014	Stirrer bar (80mm x 13mm), 1pcs each pk
18900015	Stirrer bar remover, 1pc
18900018	F100 protective cover, for MS-S, MS-Pro
18900019	F101 protective cover, for MS-H-S, MS-H-Pro

* O.E.M. option also available.



Features

- A traditional magnetic stirrer with modern design
- Stainless steel plates and with/without hotplate porcelain enamel surface
- Variable speed of motor
- Motor with electronic speed control, constant speed even during changes in load
- High magnetic adhesion, prevent the stirrer bar escape
- Enclosed assembly (IP 42) and external rotor brushless motor guarantees long service time
- Safe separate circuit, automatically stop to heat when the temperature over 350°C (MS-H-S)

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NEW!

Digital (Hotplate) Magnetic Stirrer

MS-H-Pro/MS-Pro



Main Data Description	MS-H-Pro	MS-Pro
Voltage [VAC]	100-120/200-240	100-120/200-240
Frequency [Hz]	50/60	50/60
Power [W]	550	50
Stirring point position quantity	1	1
Max. stirring quantity (H ₂ O) [L]	20	20
Max. magnetic bar [mm]	80	80
Motor type	Exterior rotor brushless motor	Exterior rotor brushless motor
Motor rating input [W]	18	18
Motor rating output [W]	10	10
Speed range [rpm]	100-1500	100 - 1500
Speed display	LCD	LCD
Speed display accuracy [rpm]	1	1
Work plate material	Stainless steel/ Porcelain enamel	Stainless steel/ Porcelain enamel
Dimension of work plate [mm]	φ135	φ135
Heating power [W]	500	—
Heating rate (1L water) [K/min]	6	—
Temperature range [°C]	RT-340	—
Temperature display	LCD	—
Temperature display accuracy [°C]	0.1	—
Control accuracy of heating temperature [°C]	1	—
The safe temperature range of work plate [°C]	100 - 350	—
Temperature sensor of extraposition	PT1000	—
Control accuracy of heating temperature with temperature sensor [°C]	0.2	—
Dimension (D × W × H) [mm]	280×160×85	280×160×85
Weight [kg]	2.8	2.8
Permissible ambient temperature [°C]	5 - 40	5 - 40
Permissible relative humidity	80%	80%
Protection class acc. to DIN EN60529	IP42	IP42
RS232 interfaces	Yes	Yes

Features

- Magnetic stirrer suitable for unsupervised operation, with new stir technology
- Automatic judgment stirring bar displacement and capture
- Easy-to-read backlit LCD display
- Fuzzy logic control and microprocessor technology guarantee maximum control accuracy
- A,B Mode ensure the stirring function not change due to external factors(MS-Pro)
- PC control via RS232 interface, the special StirPC software, can realize the setting of instrument parameters on the PC and the display of working curves red-time, and this software can be download free on our website.

Features of MS-H-Pro

- High accuracy of heating temperature controlling and the control of safe temperature
- Hotplate with stainless steel surface or porcelain enamel surface with excellent chemical resistance
- 2 adjustable safety circuits
- Separateness temperature sensor, protection temperature can be set
- Temperature sensors for heat transfer fluid and medium available (PT1000)
- Warning display indicating presence of any residual heat when the unit is switched off
- A,B,C Mode, ensure the stirring function not change due to external factors(MS-Pro)
- Bushing according to DIN 12878 for the use of contact thermometers

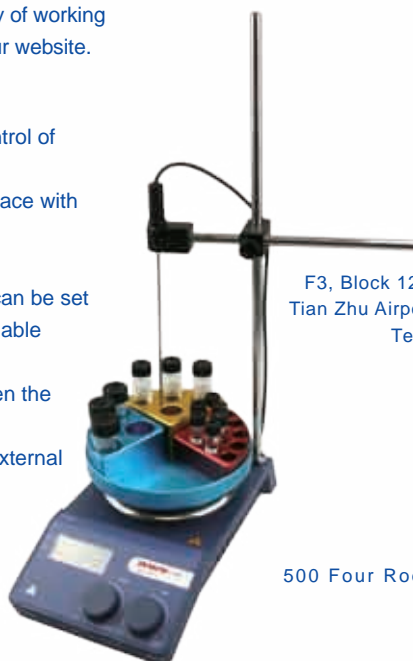
Ordering information

Cat No.	Description
811113010000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, Cn plug, 110V/220V/50Hz/60Hz
811113020000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, USA plug, 110V/220V/50Hz/60Hz
811113030000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, Euro plug, 110V/220V/50Hz/60Hz
811113040000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, UK plug, 110V/220V/50Hz/60Hz
811113080000	MS-Pro Digital Magnetic Stirrer, Stainless Steel, USA plug, 110V/220V/50Hz/60Hz
811113090000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, Euro plug, 110V/220V/50Hz/60Hz
811113140000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, Cn plug, 110V/220V/50Hz/60Hz
811113150000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, USA plug, 110V/220V/50Hz/60Hz
811113160000	MS-Pro Digital Magnetic Stirrer, Porcelain enamel, UK plug, 110V/220V/50Hz/60Hz
811123010000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, Cn plug, 220V/50Hz/60Hz
811123020000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, USA plug, 110V/50Hz/60Hz
811123030000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, Cn plug, 220V/50Hz/60Hz
811123040000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, USA plug, 110V/50Hz/60Hz
811123050000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, Euro plug, 220V/50Hz/60Hz
811123060000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, UK plug, 220V/50Hz/60Hz
811123100000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, Euro plug, 220V/50Hz/60Hz
811123110000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Stainless Steel, UK plug, 220V/50Hz/60Hz
811123140000	MS-H-Pro Digital Hotplate Magnetic Stirrer, Porcelain enamel, USA plug, 220V/50Hz/60Hz

Accessories

Cat No.	Description
18900001	MS 135.1, Carrier plate(Blue), suitable for stainless steel hotplate, use with MS135.2-7
18900065	MS 135.8, Fixed ring(Blue), suitable for stainless steel hotplate, use with MS135.2-7
18900002	MS 135.2, red quarter pie, 9 holes, 4 ml reaction vessel, use with MS 135.1 and MS 135.8
18900003	MS 135.3, purple quarter pie, 4 holes, 20 ml reaction vessel, use with MS 135.1 and MS 135.8
18900004	MS 135.4, blue quarter pie, 4 holes, 30 ml reaction vessel, use with MS 135.1 and MS 135.8
18900005	MS 135.5, black quarter pie, 4 holes, 40 ml reaction vessel, use with MS 135.1 and MS 135.8
18900048	MS 135.6, green quarter pie, 8 holes, 8ml reaction vessel, use with MS 135.1 and MS 135.8
18900049	MS 135.7, golden quarter pie, 4 holes, 16ml reaction vessel, use with MS 135.1 and MS 135.8
18900006	Stirrer bar (10mm x 6mm), 1pc each pk
18900007	Stirrer bar (15mm x 8mm), 1pc each pk
18900008	Stirrer bar (20mm x 8mm), 1pc each pk
18900009	Stirrer bar (25mm x 8mm), 1pc each pk
12500005	Stirrer bar (30mm x 6mm), 1pc each pk
18900011	Stirrer bar (40mm x 8mm), 1pc each pk
12500004	Stirrer bar (51mm x 8mm), 1pc each pk
18900013	Stirrer bar (65mm x 8mm), 1pc each pk
18900014	Stirrer bar (80mm x 13mm), 1pc each pk
18900015	MARRM, Stirrer bar remover, 1pc
18900016	PT1000, Temperature sensor for MS-H-pro
18900017	MSPS01, Support clamp of PT1000
18900018	F100, Protective cover, for MS-Pro MS-S
18900019	F101, Protective cover, for MS-H-Pro MS-H-S

* O.E.M. option also available.



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Digital 7" square (hotplate) Magnetic Stirrer

MS7-H550-Pro / MS7-Pro



Main data description

MS7-H550-Pro

MS7-Pro

Main data description	MS7-H550-Pro	MS7-Pro
Dimension of heating plate[mm]	184 x 184	184 x 184
Plate material	Glass ceramic	Glass ceramic
Motor type	Exterior rotor brushless motor	Exterior rotor brushless motor
Motor rating input[W]	18	18
Motor rating output [W]	10	10
Max. stirring quantity[H ₂ O], l	20	20
Max. magnetic bar(L x Ø)[mm]	80 x 10	80 x 10
Speed range[rpm]	100-1500	100-1500
Speed display	LCD	LCD
Speed display resolution [rpm]	1	1
Heating region[mm]	176 x 176	
Heat output [W]	1000	
Adjustable safety circuit (heating plate)[°C]	Room temperature to 550	
Temperature control accuracy with PT1000[±°C]	1(100°C below) ±1% (100°C above)	
Safety temperature[°C]	100-580	
Temperature display	LCD	
Temperature display accuracy[°C]	0.1	
Temperature sensor of extra position	PT1000	
Control accuracy of heating temperature with PT1000[±°C]	0.2	
Heating warning	50°C alarm line	
Remote control (RS232 interface)	Yes	Yes
Power[W]	1050	50
Voltage[VAC]	100-120/200-240	100-120/200-240
Frequency[Hz]	50/60	50/60
Dimension[W x D x H]mm	215 x 360 x 112	215 x 360 x 112
Weight[kg]	5.3	5.3
Dimension of heating plate[mm]	184 x 184	184 x 184


Features:

- * Accurate temperature and speed control: The control technology effectively guarantees the temperature and speed precision.
- * LCD real-time display: Setting value and actual value can be displayed. Real-time monitoring torque and speed via LCD display.
- * Heating warning: The hotplate model has a residual heat warning function. LCD display would show "Hot" when plate temperature over 50°C warning point.
- * Adjustable safety temperature: Unique safety temperature control system which has an adjustable temperature range in 100-580 °C. System stops heating once exceed secure temperature.
- * Extended application: PC can control and document all measuring values via RS232 interface. Parameter can be set to carry out safety monitoring.

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NEW!

10-Channel Analog(Hotplate) Magnetic Stirrer

MS-H-S10/MS-M-S10



Main Data Description	MS-H-S10	MS-M-S10
Voltage [VAC]	100-120/200-240	100-120/200-240
Frequency [Hz]	50/60	50/60
Power [W]	490	20
Heating Power [W]	470	—
Heating Temperature Range [°C]	RT-120	—
Stirring point position quantity	10	10
Max. stirring quantity of single stirring position(H ₂ O) [L]	0.4	0.4
Stirring position interval [mm]	90	90
Single stirring position speed error [%]	5	5
Max. stirring quantity (H ₂ O) [L]	4	4
Max. magnetic bar [mm]	40	40
Motor type	External rotor brushless motor	External rotor brushless motor
Motor rating input [W]	12	12
Motor rating output [W]	4	4
Speed range [rpm]	0 – 1100	0 – 1100
Speed display	Scale	Scale
Work plate Material	Silicone Films	Silicone Films
Dimension of work Plate [mm]	180x450	180x450
Dimension (WxDxH)[mm]	182x552x65	182x552x65
Weight [kg]	3.2	3.2
Permissible ambient temperature [°C]	5—40	5—40
Permissible relative humidity	80%	80%
Protection class acc. to DIN EN60529	IP42	IP42



Ordering information

Cat No.	Description
811311010000	MS-M-S10 10-Channel Analog Magnetic Stirrer , Cn plug, 110V/220V/50Hz/60Hz
811311020000	MS-M-S10 10-Channel Analog Magnetic Stirrer , USA plug, 110V/220V/50Hz/60Hz
811311030000	MS-M-S10 10-Channel Analog Magnetic Stirrer, Euro plug, 110V/220V/50Hz/60Hz
811311040000	MS-M-S10 10-Channel Analog Magnetic Stirrer, UK plug, 110V/220V/50Hz/60Hz
811311080000	MS-M-S10 10-Channel Analog Magnetic Stirrer, USA plug, 110V/220V/50Hz/60Hz
811321010000	MS-H-S10 10-Channel Analog Hotplate Magnetic Stirrer, Cn plug, 220V/50Hz/60Hz
811321020000	MS-H-S10 10-Channel Analog Hotplate Magnetic Stirrer, USA plug, 110V/50Hz/60Hz
811321030000	MS-H-S10 10-Channel Analog Hotplate Magnetic Stirrer, Euro plug, 220V/50Hz/60Hz
811321040000	MS-H-S10 10-Channel Analog Hotplate Magnetic Stirrer, UK plug, 220V/50Hz/60Hz
811321080000	MS-H-S10 10-Channel Analog Hotplate Magnetic Stirrer, USA plug, 220V/50Hz/60Hz

Accessories

Cat No.	Description
18900006	MSBAR10 Stirrer bar (10mm x 6mm) , 1pc each pk
18900007	MSBAR15 Stirrer bar (15mm x 8mm) , 1pc each pk
18900008	MSBAR20 Stirrer bar (20mm x 8mm) , 1pc each pk
18900009	MSBAR25 Stirrer bar (25mm x 8mm) , 1pc each pk
12500005	MSBAR30 Stirrer bar (30mm x 6mm) , 1pc each pk
18900011	MSBAR40 Stirrer bar (40mm x 8mm) , 1pc each pk
18900015	MARRM Stirrer bar remover, 1pc

* O.E.M. option also available.

Features

- ❑ High-performance multi-position magnetic stirrer with 10 stirring position, optimum use of laboratory space
- ❑ Individually controlled stirring for consistency with various samples
- ❑ Stepless speed regulation. Wide speed range: 0-1100 rpm
- ❑ External rotor brushless motor reduces operating noises and increases motor life
- ❑ Variable speed of motor
- ❑ Electronic speed control motor provides constant speed during changes in load
- ❑ Inner set temperature control panel, uniform temperature distribution (MS-H-S10)
- ❑ Stainless steel plate with silicone films, anti-slip and anti-corrosion

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NEW!

High Speed Mini Centrifuge

D2012



Features

- ❑ Powerful centrifugal force 15100 g, broad application range
- ❑ User-friendly large LCD display provides all visual information
- ❑ Brushless motor drives quickly and effortlessly accelerates the rotor to set speed
- ❑ Unique cooling design, minimizes rotor heating
- ❑ Fully autoclavable high strength aluminum alloy rotor
- ❑ Compact design, save valuable space
- ❑ High speed, low noise

Specifications

Max. Speed	15000rpm(500-15000rpm), increment: 100rpm
Max. RCF	15100×g, increment: 100×g
Rotor	2ml×12
Run Time	30sec ~99min~HOLD(Continuous Operation)
Driving Motor	Brushless DC motor
Safety Devices	Door interlock, Over-speed detector; Over-temperature detector; Automatic internal diagnosis
Power	Single-phase, AC110V~220V, 50Hz/60Hz, 3A
Noise level (dB)	56
Dimensions (mm)	(L)255×(D)245×(H)140
Weight	6kg
Additional Features	Speed/Acceleration switch; Short-time run function; sound-alert function

Ordering information

Cat No.	P/N	Description
911015110000	D2012	High Speed Mini Centrifuge, with A12-2 rotor kits, US plug, 100V-240V/50Hz/60Hz
911115110000	D2012	High Speed Mini Centrifuge, with A12-2 rotor kits, Cn plug, 100V-240V/50Hz/60Hz
911215110000	D2012	High Speed Mini Centrifuge, with A12-2 rotor kits, Euro plug, 100V-240V/50Hz/60Hz
911315110000	D2012	High Speed Mini Centrifuge, with A12-2 rotor kits, UK plug, 100V-240V/50Hz/60Hz

Accessories

19400001	A12-2	Rotor kits with cover, fixing clips and O' ring, 15000rpm, 2ml*12, use with D2012
19500001	A02P2	0.2ml rotor adapter, use with A12-2 & AS24-2 rotors, 24pcs/pk
19500002	A05P2	0.5ml rotor adapter, use with A12-2 & AS24-2 rotors, 24pcs/pk

O.E.M. option also available



Available rotor and adapters

Rotor Cat. No.		Max. Speed (rpm)	Max. Rcf (×g)	Capacity	Bio-safe
A12-2	Base info.	15000	15100	2ml×12	No
	Adapters	A02P2:0.2ml		A05P2:0.5ml	



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NEW!

High Speed Micro-Centrifuge

D 3024



Features

- ❑ User-friendly large LCD display provides all visual information
- ❑ Quiet and stable operation benefit lab environment
- ❑ Brushless motor drives quickly and effortlessly accelerates the rotor to set speed
- ❑ Fully autoclavable Bio-safe rotor
- ❑ Dual door interlock design, more safe
- ❑ Special double air cooling design to keep lower rotor temperature
- ❑ Unique temperature display to protect sensitive samples
- ❑ Gently braking at low speed, better separation

Specifications

Max. Speed	15000rpm (200-15000rpm) , increment: 10rpm
Max. RCF	21380×g, increment: 10×g
Rotor	2ml×24, 0.5ml×36, PCR8 serial tubes
Run Time	30sec~99min~HOLD (Continuous operation)
Driving Motor	Brushless motor
Safety Devices	Dual door interlock, Over-speed detector; Over-temperature detector; Automatic internal diagnosis
Power	Single-phase, AC 220V~240V, 50Hz/60Hz, 5A AC 110V~120V, 50Hz/60Hz, 5A
Noise level (dB)	58
Dimensions (mm)	(L) 280× (D) 364× (H) 266
Weight	12 kg
Additional Features	Speed/Acceleration switch; Short-time run function; sound-alert function

Ordering information

Cat No.	P/N	Description
912015130000	D3024	High Speed Micro-Centrifuge, with AS24-2 rotor kits, US plug, 110V/50Hz/60Hz
912115120000	D3024	High Speed Micro-Centrifuge, with AS24-2 rotor kits, Cn plug, 220V/50Hz/60Hz
912215120000	D3024	High Speed Micro-Centrifuge, with AS24-2 rotor kits, Euro plug, 220V/50Hz/60Hz
912315120000	D3024	High Speed Micro-Centrifuge, with AS24-2 rotor kits, UK plug, 220V/50Hz/60Hz

Accessories

19400002	AS24-2	Rotor kits with cover, fixing clips and O' ring, 15000rpm, 2ml*24, use with D3024 & D3024R
19400003	AS36-05	Rotor kits with cover, fixing clips and O' ring, 15000rpm, 0.5ml*36, use with D3024 & D3024R
19400004	AS4-PCR8	Rotor kits with cover, fixing clips and O' ring, 15000rpm, 4-PCR8, use with D3024 & D3024R
19500001	A02P2	0.2ml rotor adapter, use with A12-2 & AS24-2 rotors, 24pcs/pk
19500002	A05P2	0.5ml rotor adapter, use with A12-2 & AS24-2 rotors, 24pcs/pk
19500003	A02P05	0.2ml rotor adapter, use with AS36-05 rotor, 36pcs/pk

O.E.M. option also available

Available rotors and adapters

Rotor Cat. No.		Max. Speed (rpm)	Max. Rcf (×g)	Capacity	Bio-safe	Centrifuge	
						D3024	D3024R
AS24-2	Base info.	15000	21380	2ml×24	Yes		
	Adapters	A02P2:0.2ml		A05P2:0.5ml		•	•
AS36-05	Base info.	15000	21380	0.5ml×36	Yes		
	Adapters	A02P05:0.2ml				•	•
AS4-PCR8	Base info.	15000	21380	4-PCR8	Yes	•	•



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NEW!

High Speed Refrigerated Micro-Centrifuge

D3024R



Features

- ❑ User-friendly large LCD display provides all visual information
- ❑ Quiet and stable operation benefit lab environment
- ❑ Brushless motor drives quickly and effortlessly accelerates the rotor to set speed
- ❑ Fully autoclavable Bio-safe rotor
- ❑ Dual door interlock design, more safe
- ❑ Powerful cooling system guarantee under 4°C at maximum speed
- ❑ Gently braking at low speed, better separation
- ❑ Intermittent temperature control mode, CFC-free refrigerant, according with low carbon life

Specifications

Max. Speed	15000rpm (200-15000rpm) , increment: 10rpm
Max. RCF	21380×g, increment: 10×g
Rotor	2ml×24, 0.5ml×36, PCR8 serial tubes
Run Time	30sec~99min~HOLD (Continuous operation)
Temperature Range	-20°C ~ 40°C
Refrigerant	HFC134a
Driving Motor	Brushless motor
Safety Devices	Dual door interlock, Over-speed detector; Over-temperature detector; Automatic internal diagnosis
Power	Single-phase, AC 220V~240V, 50Hz/60Hz, 10A AC 110V~120V, 50Hz/60Hz, 10A
Noise level (dB)	56
Dimensions (mm)	(L) 338× (D) 580× (H) 324
Weight	30kg
Additional Features	Speed/Acceleration switch; Short-time run function; sound-alert function

Ordering information

Cat No.	P/N	Description
922015130000	D3024R	High Speed Refrigerated Micro-Centrifuge, with AS24-2 rotor kits, US plug, 110V/50Hz/60Hz
922115120000	D3024R	High Speed Refrigerated Micro-Centrifuge, with AS24-2 rotor kits, Cn plug, 220V/50Hz/60Hz
922215120000	D3024R	High Speed Refrigerated Micro-Centrifuge, with AS24-2 rotor kits, Euro plug, 220V/50Hz/60Hz
922315120000	D3024R	High Speed Refrigerated Micro-Centrifuge, with AS24-2 rotor kits, UK plug, 220V/50Hz/60Hz

Accessories

19400002	AS24-2	Rotor kits with cover, fixing clips and O' ring, 15000rpm, 2ml*24, use with D3024 & D3024R
19400003	AS36-05	Rotor kits with cover, fixing clips and O' ring, 15000rpm, 0.5ml*36, use with D3024 & D3024R
19400004	AS4-PCR8	Rotor kits with cover, fixing clips and O' ring, 15000rpm, 4-PCR8, use with D3024 & D3024R
19500001	A02P2	0.2ml rotor adapter, use with A12-2 & AS24-2 rotors, 24pcs/pk
19500002	A05P2	0.5ml rotor adapter, use with A12-2 & AS24-2 rotors, 24pcs/pk
19500003	A02P05	0.2ml rotor adapter, use with AS36-05 rotor, 36pcs/pk

O.E.M. option also available

Accessories

Rotor Cat. No.		Max. Speed (rpm)	Max. Rcf (×g)	Capacity	Bio-safe	Centrifuge	
						D3024	D3024R
AS24-2	Base info.	15000	21380	2ml×24	Yes		
	Adapters	A02P2:0.2ml A05P2:0.5ml				•	•
AS36-05	Base info.	15000	21380	0.5ml×36	Yes		
	Adapters	A02P05:0.2ml				•	•
AS4-PCR8	Base info.	15000	21380	4-PCR8	Yes	•	•



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NEW!

Vortex Mixer (Adjustable and Fixed Speed Models)

MX-S/MX-F



Main Data Description	MX-S	MX-F
Voltage [VAC]	110-120/220-230	110-120/220-230
Frequency [Hz]	50 / 60	50 / 60
Power [W]	60	60
Shaking movement	orbital	orbital
Orbital diameter [mm]	4	4
Power input of motor [W]	58	58
Power output of motor [W]	10	10
Permissible ON time	100%	100%
Speed range [rpm]	0–2500	2500
Speed display	Scale	—
Run type	Continuous/touch operation	Continuous/touch operation
Dimensions (W×H×D)[mm]	127×130×160	127×130×160
Weight [kg]	3.5	3.5
Permissible ambient temperature [°C]	5–40	5–40
Permissible relative humidity	80%	80%
Protection class acc. to DIN EN60529	IP21	IP21

Features

- New vortex mixers suitable for touch or continuous operation
- MX-S with wide speed range: 0-2500rpm/min, stepless speed regulation of motor
- MX-S can be used for various shaking applications with optional adapters for Eppendorf etc
- Adapters securely clicked onto appliance in any position
- Sturdy cast casing
- Specially designed silicone feet and steel base for excellent vibration damping
- Eccentric with oilless ball bearings



Ordering information

Cat No.	Description
821200010000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, Cn plug, 220V/50Hz
821200020000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, Cn plug, 220V/60Hz
821200030000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, USA plug, 110V/50Hz
821200040000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, USA plug, 110V/60Hz
821200050000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, Euro plug, 220V/50Hz
821200060000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, UK plug, 220V/50Hz
821200090000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, Euro plug, 220V/60Hz
821200100000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, UK plug, 220V/60Hz
821200150000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, USA plug, 220V/60Hz
821200160000	MX-S adjustable speed Vortex, with VT 1.1 Standard Attachment, USA plug, 220V/50Hz
821100010000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, Cn plug, 220V/50Hz
821100020000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, Cn plug, 220V/60Hz
821100030000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, USA plug, 110V/50Hz
821100040000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, USA plug, 110V/60Hz
821100050000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, Euro plug, 220V/50Hz
821100060000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, UK plug, 220V/50Hz
821100070000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, Euro plug, 220V/60Hz
821100080000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, UK plug, 220V/60Hz
821100150000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, USA plug, 220V/60Hz
821100160000	MX-F fixed speed Vortex, with VT 1.1 Standard Attachment, USA plug, 220V/50Hz

Accessories

Cat No.	Description
18900034	VT1.1 standard top, for test tubes and small vessels upto diameter 30 mm
18900044	VT1.2 tube holding rod Use with VT1.3.1 to VT1.3.5
18900035	VT1.3 universal top plate 100 mm-plate attachment with 4 vacuum suction feet
18900020	VT1.3.1 tube adapter for 48 holes test tubes Ø6mm, for VT 1.3 or VT 1.2
18900021	VT1.3.2 tube adapter for 18 holes test tubes Ø10mm, for VT 1.3 or VT 1.2
18900022	VT1.3.3 tube adapter for 12 holes test tubes Ø12mm , for VT 1.3 or VT 1.2
18900023	VT1.3.4 tube adapter for 8 holes test tubes Ø16mm, for VT 1.3 or VT 1.2
18900024	VT1.3.5 tube adapter for 8 holes test tubes Ø20mm, for VT 1.3 or VT 1.2
18900043	VT1.3.6 platform pad for <Ø99mm tubes and small vessels
18900050	VT1.3.7 Rubber vacuum suction foot, 1pc

* VT1.3.1-VT1.3.5 adapters are only suitable to continuous operation mode of MX-S adjustable speed Vortex when use with VT1.3.

* O.E.M. option also available.

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DRAGONLAB

Scaling New Heights in Research

NEW!

Microplate Mixer

MX-M



CE ISO 9001/13485
CERTIFIED

www.dragon-lab.com

Dragon Laboratory Instruments Limited

Cat No. 330037

Main Data Description

MX-M

Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	20
Shaking movement	Orbital
Orbital diameter [mm]	4.5
Max. shaking weight (with attachments) [kg]	0.5
Motor type	External rotor brushless motor
Motor rating input [W]	18
Motor rating output [W]	10
Speed range [rpm]	0 – 1500
Speed display	Scale
Dimensions (WxDxH)[mm]	260x150x80
Weight [kg]	3
Permissible ambient temperature [°C]	5 – 40
Permissible relative humidity	80%
Protection class acc. to DIN EN60529	IP21



Ordering information

Cat No.	Description
822000010000	MX-M Microplate Mixer, with PS1.2 adapter, Cn plug, 110V/220V/50Hz/60Hz
822000020000	MX-M Microplate Mixer, with PS1.2 adapter, Euro plug, 110V/220V/50Hz/60Hz
822000030000	MX-M Microplate Mixer, with PS1.2 adapter, UK plug, 110V/220V/50Hz/60Hz
822000040000	MX-M Microplate Mixer, with PS1.2 adapter, USA plug, 110V/220V/50Hz/60Hz

Accessories

Cat No.	Description
18900042	PS1.2 Adapter
18900067	PS1.1, Universal top plate, used with VT1.3.1--5
18900020	VT1.3.1, tube adapter, for 48 holes test tubes, Ø6mm, used with VT 1.3/ VT 1.2/PS1.1
18900021	VT1.3.2, tube adapter, for 18 holes test tubes, Ø10mm, used with VT 1.3/ VT 1.2/PS1.1
18900022	VT1.3.3, tube adapter, for 12 holes test tubes, Ø12mm, used with VT 1.3/ VT 1.2/PS1.1
18900023	VT1.3.4, Tube adapter, for 8 holes test tubes, Ø16mm, used with VT 1.3/ VT 1.2/PS1.1
18900024	VT1.3.5, Tube adapter, for 8 holes test tubes, Ø20mm, used with VT 1.3/ VT 1.2/PS1.1

* O.E.M. option also available.

Features

- ❑ Compact, universal small shaker suitable for 96 microtiter plates
- ❑ Supplied with intergral but replaceable PS1.2 adapter
- ❑ Continuous operation
- ❑ Stepless speed regulation of motor
- ❑ External rotor brushless motor reduces operating noises and increases motor life

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NEW!

Orbital and Linear Digital Shaker

SK-O(L)330-Pro/SK-O(L)180-Pro



Main Data Description	SK-O(L)330-Pro	SK-O(L)180-Pro
Voltage [VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power [W]	30	30
Shaking movement	Orbital/Linear	Orbital/Linear
Orbital diameter [mm]	10	4
Max. shaking weight (with attachment) [kg]	7.5	2.5
Motor type	External rotor brushless motor	External rotor brushless motor
Motor rating input [W]	28	28
Motor rating output [W]	15	15
Speed range [rpm]	100 – 500 (Orbital) 100 – 350 (Linear)	100 – 800 (Orbital) 100 – 350 (Linear)
Speed display	LCD	LCD
Timer	Yes	Yes
Timer display	LCD	LCD
Time setting range [min]	1 – 1199	1 – 1199
Run type	Timing/Continuous operation	Timing/Continuous operation
Overall dimensions (DxWxH) [mm]	420x370x100	340x300x100
Weight [kg]	13.5	8.1
Permissible ambient temperature [°C]	5 – 40	5 – 40
Permissible relative humidity	80%	80%
Protection class acc. to DIN EN60529	IP21	IP21
RS232 interface	Yes	Yes



Ordering information

Cat No.	Description
831010010000	SK-L180-Pro Linear Digital Shaker (2.5Kg), No Attachment, Cn plug, 110V/220V/50Hz/60Hz
831010030000	SK-L180-Pro Linear Digital Shaker (2.5Kg), No Attachment, Euro plug, 110V/220V/50Hz/60Hz
831010040000	SK-L180-Pro Linear Digital Shaker (2.5Kg), No Attachment, UK plug, 110V/220V/50Hz/60Hz
831010050000	SK-L180-Pro Linear Digital Shaker (2.5Kg), No Attachment, USA plug, 110V/220V/50Hz/60Hz
831010020000	SK-L330-Pro Linear Digital Shaker (7.5 Kg), No Attachment, Cn plug, 110V/220V/50Hz/60Hz
831010060000	SK-L330-Pro Linear Digital Shaker (7.5 Kg), No Attachment, Euro plug, 110V/220V/50Hz/60Hz
831010070000	SK-L330-Pro Linear Digital Shaker (7.5 Kg), No Attachment, UK plug, 110V/220V/50Hz/60Hz
831010080000	SK-L330-Pro Linear Digital Shaker (7.5 Kg), No Attachment, USA plug, 110V/220V/50Hz/60Hz
832010010000	SK-O180-Pro Orbital Digital Shaker (2.5Kg), No Attachment, Cn plug, 110V/220V/50Hz/60Hz
832010030000	SK-O180-Pro Orbital Digital Shaker (2.5Kg), No Attachment, Euro plug, 110V/220V/50Hz/60Hz
832010040000	SK-O180-Pro Orbital Digital Shaker (2.5Kg), No Attachment, UK plug, 110V/220V/50Hz/60Hz
832010050000	SK-O180-Pro Orbital Digital Shaker (2.5Kg), No Attachment, USA plug, 110V/220V/50Hz/60Hz
832010020000	SK-O330-Pro Orbital Digital Shaker (7.5 Kg), No Attachment, Cn plug, 110V/220V/50Hz/60Hz
832010060000	SK-O330-Pro Orbital Digital Shaker (7.5 Kg), No Attachment, Euro plug, 110V/220V/50Hz/60Hz
832010070000	SK-O330-Pro Orbital Digital Shaker (7.5 Kg), No Attachment, UK plug, 110V/220V/50Hz/60Hz
832010080000	SK-O330-Pro Orbital Digital Shaker (7.5 Kg), No Attachment, USA plug, 110V/220V/50Hz/60Hz

Accessories

Cat No.	Description
18900025	SK180.1, SK 180.1 Universal attachment
18900026	SK180.2, SK 180.2 Fixing clip attachment
18900027	SK330.1, SK 330.1 Universal attachment
18900028	SK330.2, SK 330.2 Fixing clip attachment
18900038	SK180.3, SK180.3 Lengthways Roller Attachment
18900039	SK180.4, SK180.4 Dish Attachment (with slip-resistant foil)
18900040	SK330.3, SK330.3 Lengthways Roller Attachment
18900041	SK330.4, SK330.4 Dish Attachment (with slip-resistant foil)
18900029	SK180(330).2.1, Fixing Clips For flask volume 25 ml
18900030	SK180(330).2.2, Fixing Clips For flask volume 50 ml
18900031	SK180(330).2.3, Fixing Clips For flask volume 100 ml
18900032	SK180(330).2.4, Fixing Clips For flask volume 200/250 ml
18900033	SK180(330).2.5, Fixing Clips For flask volume 500 ml
18900037	Bars for SK180.1 Universal attachment, black
18900036	Bars for SK330.1 Universal attachment, black

* O.E.M. option also available.

Features:

- ❑ Compact, orbital and linear shaker with ideal swivel motion, for a maximum shaking weight of 7.5kg and 2.5kg
- ❑ LCD display for speed and time adjustment. Speed, timer and operating mode can be viewed simultaneously
- ❑ Wide range of accessory platforms makes it possible to use almost all shapes and sizes of vessels
- ❑ Electronic adjustment of speed and timer
- ❑ Electronic time switching clock: control time or continuous operation mode
- ❑ External rotor brushless motor, long life and no electromagnetic interference
- ❑ Over speed detection and protection
- ❑ PC control via RS232 interface, the special Shaker PC software can realize the setting of instrument parameters on the PC and the display of working curves red-time, and this software can be download free on our website.

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