

MINTHI

Ultra-flat Compact Magnetic Stirrer

With excellent stirring functionality, the compact shape of MinThi takes less bench space and makes storage easier.



Specifications	MinThi
Work plate Dimension	Ø90mm
Work plate material	PET
Stirring positions	1
Max. stirring quantity[H ₂ O]	0.8L
Max.magnetic bar[length]	40mm
Speed range	15–1500rpm
Protection class	IP21
Output Power	3W
Power	5W
Voltage,Frequency	100–120/200–240V, 50/60Hz
Dimension[WxDxH]	175x120x15mm
Weight	0.3kg
Permissible ambient temperature and humidity	5–40°C,80%RH

Features >>>

- Speed range 15 to 1500rpm
- Automatic reverse rotation for excellent mixing
- PET top work plate provides excellent chemical resistance
- Motorless technology provides ultra silent and vibration-free operation
- Perfect magnetic stirrer for use during titration (bottle-top burette) in analytical chemistry



MISTIR

Economical Magnetic Stirrer

MiStir is a magnetic stirrer customized for liquid mixing, suitable for chemical analysis, biology reagent mixing, regular laboratory experiments and liquid handling.

Features >>>

- Maintenance free brushless DC motor
- Rare earth magnets give powerful stirring
- Stepless speed regulation 300–2000rpm
- Ultra silence and vibration-free design
- PET top provides excellent chemical resistance
- Shaft can be fitted with a pH sensor or other sensors for different purposes

MISTIR SQUARE

Square Plate Magnetic Stirrer











Lab1st square Plate Magnetic Stirrer with electrode holder has a reliable design and a powerful stirring ability. It is a basic and ideal tool for electrochemistry measurements or water & environment monitoring; drug or food analysis; liquid culture mixing, etc.

Features >>>

- Compact design with small footprint, 12V voltage available for mobile labs.
- Square work plate supports 1.5L stirring capacity.
- Holder with clamp for pH electrode or other sensor.
- Default PET top provides excellent chemical resistance.
- Extra colorful stickers satisfy DIY design by yourself.
- Maintenance free brushless DC motor.
- An economical choice of a reliable & durable magnetic stirrer with an electrode holder for stable & powerful stirring ability.



Specifications	MiStir Square	MiStir
Work plate size	120x115mm	Ø120mm
Work plate material	PET	PET
Motor type	Brushless DC Motor	Brushless DC motor
Stirring position	1	1
Max. stirring quantity (H ₂ O)	1.5L	1.5L
Max. magnetic bar (length)	40mm	40mm
Speed range	300–2000rpm	300–2000rpm
Speed setting	scale	scale
Protection class	IP21	IP21
Motor output power	1.2W	1.2W
Power	7.2W	7.2W
Voltage,Frequency	DC 12V, 100–240V,50/60Hz	100–120/200–240V, 50/60Hz
Dimension [WxDxH]	150x144x54mm	150x145x50mm
Weight	0.3Kg	0.3kg
Permissible ambient temperature and humidity	5–40°C, 80%RH	5–40°C, 80%RH

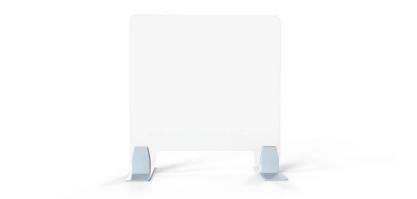
Cat.NO.	Picture	Name of stirrer bars	Size [mm]
920604		Stirrer bar, cross	Ø5 X 10
920605		Stirrer bar, cross	Ø10 X 20
920606		Stirrer bar, cross	Ø9 X 25
920607		Stirrer bar, cross	Ø10 X 30
920608		Stirrer bar, cross	Ø11 X 38
920609		Stirrer bar, cross	Ø20 X 65
920610		Stirrer bar, Triangular prism	Ø14 X 25
920611		Stirrer bar, Triangular prism	Ø14 X 50
920612		Stirrer bar, Triangular prism	Ø9 X 35
920613		Stirrer bar, Triangular prism	Ø14 X 80
920614		Stirrer bar, Gear shape	Ø8 X 30
920615		Stirrer bar, Gear shape	Ø8 X 38
920616		Stirrer bar, Gear shape	Ø10 X 50
920617		Stirrer bar, ellipse	Ø10 X 20
920618		Stirrer bar, ellipse	Ø12 X 25
920619		Stirrer bar, ellipse	Ø11X 30
920620		Stirrer bar, ellipse	Ø15X 35
920621		Stirrer bar, ellipse	Ø20 X 40
920622		Stirrer bar, ellipse	Ø20 X 50
920623		Stirrer bar, ellipse	Ø22 X 70
920624		Stirrer bar, slide round	Ø6 X 25
920625		Stirrer bar, slide round	Ø6 X 30
920626		Stirrer bar, slide round	Ø8 X 40
920627		Stirrer bar, slide round	Ø8 X 50
920628		Stirrer bar, slide round	Ø10 X 60
920629		Stirrer bar, slide round	Ø13 X 80
920630		Stirrer bar, slide round	Ø24 X 159
920631		Stirrer bar, Eight prism	Ø8 X 20
920632		Stirrer bar, Eight prism	Ø10 X 30
920633		Stirrer bar, Eight prism	Ø8 X 40
920634		Stirrer bar, Eight prism	Ø8 X 50
920635		Stirrer bar, Eight prism	Ø9 X 90
920636		Stirrer bar, round	Ø27X57
920637		Stirrer bar, round	Ø27X108
920638		Stirrer bar, round	Ø27X159
920016		Stirrer bar, round	Ø6 X 10
920017		Stirrer bar, round	Ø8 X 15
920018		Stirrer bar, round	Ø8 X 20
920019		Stirrer bar, round	Ø8 X 25
920020		Stirrer bar, round	Ø6X 30
920021		Stirrer bar, round	Ø8 X 40
920022		Stirrer bar, round	Ø8 X 50
920216		Stirrer bar, round	Ø8X 65
920217		Stirrer bar, round	Ø13X 80
920639		Stirrer bar, crown	Ø9X6
920024		Stirrer bar remover	length of 30cm
920023		Stirrer bar remover	length of 25cm



920222 7 inch Magnetic Stirrer transparent safety shield



920221 5 inch Magnetic Stirrer transparent safety shield



920223 10 inch Magnetic Stirrer transparent safety shield

Cat.NO./Picture	RS 1 Set of magnetic stirring bars	Cat.NO./Picture	RS 2 Set of magnetic stirring bars
 920601	Stirrer bar, round, Ø6X10, 2	 920603	Stirrer bar, round, Ø8X40, 2
	Stirrer bar, round, Ø6X15, 2		Stirrer bar, Eight prism, Ø8 X 40, 2
	Stirrer bar, round, Ø8X20, 2		Stirrer bar, Gear shape, Ø8 X 30, 2
	Stirrer bar, round, Ø8X25, 2		Stirrer bar, slide round, Ø8 X 40, 2
	Stirrer bar, round, Ø6X30, 2		Stirrer bar, ellipse, Ø20 X 40, 2
	Stirrer bar, round, Ø8X40, 2		Stirrer bar, cross, Ø9 X 25, 2
	Stirrer bar, round, Ø8X50, 2		Stirrer bar, crown, Ø9X6, 2
	Stirrer bar, round, Ø10X80, 2		Stirrer bar, round, Ø8X50, 2
	Stirrer bar, Triangular prism, Ø14 X 25, 2		Stirrer bar, Triangular prism, Ø9 X 35, 2
	Stirrer bar, Triangular prism, Ø14 X 50, 2		










Stirring & Heating

•••

Labfirst Scientific Instruments (Shanghai) Co., Ltd.

Magnetic hotplate stirrers are used for low viscosity liquids or solid mixing, chemical synthesis, physical and chemical analysis, bio-pharmaceuticals etc. Lab1st provides different series, heating range covers from 120°C–550°C:




Magnetic Hotplate Stirrers:

Series	Model	Image	Stirring Position	Display	Work plate Size	Max. Heating Temp.	Max. stirring quantity(H ₂ O)
Super HS series	Super HS-10Pro		1	LCD	254X254mm	500°C	30L
	Super HS-7Pro		1	LCD	184x184mm	550°C	20L
	Super HS-7		1	LED	184x184mm	550°C	10L
HS series	HS-5		1	LCD	Ø135mm	340°C	20L
	HS-5+		1	LCD	Ø135mm	340°C	20L
	HS-5T		1	LCD	Ø135mm	340°C	20L
	HS-5S		1	Scale	Ø135mm	340°C	20L
Basic IHSI series	HS-5 basic 2		1	LCD	140x140mm	380°C	5L
	HS-5 basic		1	LED	Ø135mm	280°C	3L
Multi-point series	Multi-point HS-4		4	LCD	Ø135mm	340°C	3Lx4
	Multi-point HS-10		10	Scale	180x450mm	120°C	0.4Lx10

Magnetic Stirrers:

Image	Model	Stirring Position	Display	Work plate Size	Max. stirring quantity(H.0)
	Super MS-7S	1	Scale	184x184mm	10L
	MS-5S	1	Scale	Ø135mm	20L
	MS-5 basic 2	1	LCD	140x140mm	5L
	MS-5 basic	1	LED	Ø135mm	3L
	MS-5 basic B	1	Scale	Ø135mm	3L
	MiStir Square	1	Scale	120x115mm	1.5L
	MiStir	1	Scale	Ø120mm	1.5L
	MinThi	1	-	Ø90mm	0.8L
	Multi-point RO-15**	15	LCD	460x304mm	0.4Lx15
	Multi-point RO-10	10	Scale	180x450mm	0.4Lx10

Hotplate:

Image	Model	Display	Work plate Size	Max. Heating Temp.
	Super HP-10 Pro	LCD	254x254mm	500°C
	Super HP-7	LED	184x184mm	550°C
	HP-5 basic 2	LCD	140x140mm	380°C

**Coming soon

Application guidance:

Notice: HS-5 basic 2, HP-5 basic 2 & HS-5 basic are not available for chemical fields.

Fields		Super HS-10Pro/ Super HS-7Pro/ Super HS-7/ Super HP-10Pro/ Super HP-7	HS-5/ HS-5T/ HS-5+/ HS-5S/ Multi-point HS-4	HS-5 basic 2/ HP-5 basic 2	HS-5 basic	Multi-point HS-10	Magnetic Stirrers (none heating models)
Pharmaceutical	Chemical Synthesis	■	■				
	Biochemical Drugs	■	■				
	Medicine Testing	■	■				
	Drug Formulation	■	■				
Chemical Industry	Petrochemical Industry	■	■				
	Inorganic Chemical Synthesis	■	■				
	Organic Chemical Synthesis	■	■				
	Daily Use Chemical Industry	■	■				
	Painting/Rubber/Plastic	■	■				
	Fertilizer/Pesticide	■	■				
Environmental	Water Quality Analysis				■	■	■
	Pesticide Residue Testing				■	■	■
	Chemical Pollution Analysis				■	■	■
Research & Education	Basic Chemical Experiments	■	■		■	■	■
	Material Analysis			■	■	■	■
	Liquid Mixing			■	■	■	■
	Chemical Synthesis	■	■				
Food Industry	Food Additive	■	■	■	■		
	Dairy Products	■	■	■	■		
	Nutrition Analysis	■	■	■	■		
Biological Engineering	Cell Culture						
	Biological Reagents		■	■	■	■	
	Biochemistry		■	■	■	■	

Overhead stirrers are used for middle or high viscosity samples mixing, widely used in chemical synthesis, pharmaceutical synthesis, physical and chemical analysis, petrochemical industries etc.

Overhead stirrers:

Models					
Models	MICROSTIR 20Pro	MICROSTIR 20	MICROSTIR 40Pro	MICROSTIR 40	MICROSTIR 70Pro
Max. Stirring Quantity(H₂O)	20L	20L	40L	40L	70L
Constant Speed	YES	NO	YES	NO	YES
Display	LCD	LED	LCD	LED	LCD
Speed Range	50–2200rpm	50–2200rpm	50–2200rpm	50–2200rpm	50–1100rpm
Max. Torque	40N · cm	40N · cm	60N · cm	60N · cm	300N · cm
Viscosity Max.	10000mPa · s	10000mPa · s	50000mPa · s	50000mPa · s	100000mPa · s