



Stirring & Heating

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Labfirst Scientific Instruments (Shanghai) Co., Ltd.

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

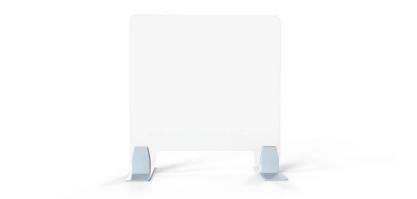
| Cat.NO. | Picture | Name of stirrer bars | Size [mm] |
|---------|---|-------------------------------|----------------|
| 920604 |  | Stirrer bar, cross | Ø5 X 10 |
| 920605 | | Stirrer bar, cross | Ø10 X 20 |
| 920606 | | Stirrer bar, cross | Ø9 X 25 |
| 920607 | | Stirrer bar, cross | Ø10 X 30 |
| 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 | | |

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 |