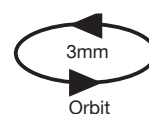


MPS-1 high speed shaker/vortex mixer for plates and microtubes

An economical solution that takes up very little bench space, for all high-speed shaking and vortex mixing of plates and tubes from 0.2ml through to 50ml all-in-one. Efficient mixing of difficult samples - compact pellets, small or viscous samples.

- Versatile for single tube vortex to shaking of microplates, PCR plates, microtubes and deepwell plates
- Mixing of 0.2ml to 50ml microtubes at high speed
- Saw-tooth pulse mode
- Very small footprint
- Safe in humid environments due to low voltage 12V power supply
- Quiet < 50dBA
- Can be used at temperatures from +4°C to 40°C
- Adjustable rpm or 4 presets
- Grant renowned technical and service support



Single cup vortex mixer integrated for individual samples



Universal platform - holds standard plates, deepwell plates and inserts for microtubes

2 line LCD display of set and actual values

Clip-in mechanism requires no tools

Ultra - compact, space saving footprint

Saw-tooth pulse mode - more efficient mixing due to the constantly changing speed

Timer with alarm



Supplied with a platform to allow vortexing of single tubes and skirted plates.

Additional inserts for microtubes sold separately or available as part of MPS-1-K (see page 9.8).

Markets:


- Education, research, QC, QA, R&D, Biopharm and healthcare

Applications:



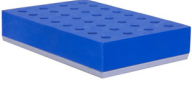
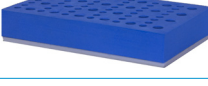

- Life science applications, molecular biology, cell biology, cell lysis, DNA isolation and purification, sample preparation for PCR, pellet re-suspension, mixing viscous liquids, multiple microtube mixing

Shakers, mixers and stirrers » MPS-1 » Models and specifications

MPS-1 specifications

| | | High-speed mixer shaker/vortex MPS-1 |
|-----------------------------|------|---|
| | |  <p>h: 150mm d: 215mm w: 225mm weight: 5.1kg</p> |
| Mixing speed control range | rpm | 300 - 3200 |
| Speed control increment | rpm | 100 |
| Mixing presets | rpm | 3200 2600 1800 1000 Adjustable Saw tooth profile of ramp speed cycles |
| VORTEX | | |
| HARD | | |
| MEDIUM | | |
| SOFT | | |
| CUSTOM | | |
| PULSE MODE | | |
| Mixing orbit | mm | 3 |
| Acceleration time | sec | 5 |
| Timer, with audible alarm | min | 1 to 60 min (15 sec increment)/ non stop |
| Operating temperature range | °C | +4 to 40 |
| Maximum noise | dBA | 50 |
| External power supply | | Input AC 120-230V, 50/60Hz Output DC 12V |
| Input voltage | V dc | 12 |
| Power consumption | W | 10 (0.8A) |
| Types of vessels | | Microplate U, V or flat bottom PCR plate 96 or 384 well fully / semi / unskirted Deepwell plate 250µl to 2000µl Microtubes 0.2, 0.5, 1.5, 2.0ml 0.2ml strips Tubes 2 to 50ml |

Accessories

| | | |
|---|---|---|
|  | MPS-1K kit contains: MPS-1 with 4 additional inserts shown below | |
|  | P-2-24 Microtube insert for 24 x 1.5/2.0ml tubes | • |
|  | P-05-32 Microtube insert 32 x 0.5ml tubes | • |
|  | P-02-05 Microtube insert for 24 x 0.5ml PLUS 48 x 0.2ml tubes or 8 x 0.2ml strips | • |
|  | P-02-96 Microtube insert for 96 x 0.2ml tubes or 12 x 0.2ml strips or 96 well semi / unskirted PCR plates | • |



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.