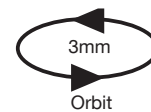


## MPS-1 high speed shaker/vortex mixer for plates and microtubes

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. 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, deep well 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



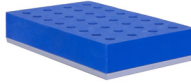


## Shakers, mixers and stirrers » MPS-1 » Technical specifications and accessories

## MPS-1 Technical specifications

● = optional

		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) or 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

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