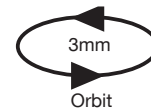


## MPS-1 high speed shaker/vortex mixer for plates and microtubes

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.

Timer with alarm

Clip-in mechanism requires no tools.

Ultra compact, space saving footprint.

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



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

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24 Norman Way Industrial Estate, Over, Cambridge, CB24 5WE  
Tel: +44(0)1954 233 100 Fax: +44(0)1954 233 101  
Email: sales@camlab.co.uk Web: www.camlab.co.uk


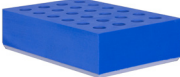
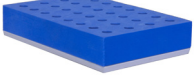
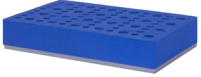
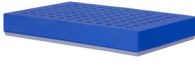
## Shakers, mixers and stirrers » MPS-1 » Technical specifications and accessories

## 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
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	dB(A)	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	●

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