



Thermoshakers

Thermoshakers

A range of compact, efficient and highly versatile thermoshakers, with excellent temperature uniformity. Ideal for applications requiring heating/cooling and shaking in microplates and microtubes. Suitable for use in cold rooms and incubators (operating temperature range +4°C to 40°C).

By combining the mixing operation with heating/cooling, reaction process times and operator workload are reduced, efficiency and throughput are increased.

Thermoshaker with cooling – for microtubes and PCR plates – PCMT

Thermoshaker – for microtubes and PCR plates – PHMT

Thermoshaker – for microplates – PHMP

Thermoshaker – for deep well plates – TS-DW



PCMT



TS-DW



PHMT



PHMP



PHMP-100



PHMP-4

PHMT

Thermoshaker for microtubes and PCR plates

Variable speed and temperature thermoshaker combining three devices in one for maximum versatility and efficiency.

- Microtube and microplate thermoshaker
- Compact benchtop incubator
- Microtube and microplate shaker in cold or ambient temperatures

Temperature setting range +25°C to 100°C


Temperature control range +5°C above ambient to 100°C

Shaking speed: 250 to 1400rpm

Capacity for up to 24 or up to 32 mixed sized microtubes or PCR 96-well plate

Fast start with three seconds to maximum shaking speed

Mixing and incubation phases are combined reducing reactions process times



Compact and sturdy with a low profile and small footprint - fits neatly into the workspace.

Fast heat-up and cooling times. Quick to reach specified mixing speed.

Timer 1 minute to 96 hours.

Easy programming via simple push buttons and display.

Temperature calibration function to compensate for differences in the thermal behaviour of different tubes and samples.

The powerful motor operates extremely smoothly, quietly and consistently. With a 'soft' start function for delicate samples.

Choice of 5 models available. Unit supplied with block, please specify when ordering.

Low voltage cord fits easily through door gaskets. Safe and economical running.

2-line LCD display clearly indicates both set and actual values for temperature, shaking speed, mixing times.

Applications

- Life-science - genetic analyses, extraction of DNA, RNA and further sample preparation, biochemical studies of enzymatic reactions and processes, extraction of metabolites from cellular material, incubation, agitation, digestion of samples/standards for peptide mapping

PHMT

Technical specifications



		PHMT-PSC18	PHMT-PSC24N	PHMT-PSC24	PHMT-PSC32	PHMT-PSC96
		For microtubes			For microplates	
Dimensions	h x d x w mm	130 x 240 x 220				
Temperature range	°C	+ 25 to 100				
Temperature control range	°C	+ 5 ambient to 100				
Uniformity over block	@+37°C ±°C	0.1				
	@+60°C ±°C	0.2				
	@+100°C ±°C	0.2				
Shaking speed	rpm	250 to 1400 (increments 10 rpm)				
Heat up speed to 100°C		4°C per minute				
Display (temperature)		2-line x 16-character LCD				
Capacity	microtubes	20 x 0.5ml & 12 x 1.5ml	24 x 1.5ml	24 x 2.0ml	20 x 0.2ml & 12 x 1.5ml	-
Capacity	PCR plates	-				96 well PCR plate
Orbit diameter	mm	2				
Timer		1 minute to 96 hours (1-minute increment)				
Maximum noise	dba	54.7				
Heating power	W	42				
External power supply		Input AC 100-240V, 50/60Hz Output DC 12V				
Power consumption	W	42 (3.5A)				
Input voltage	V dc	12				
Weight	kg	3.2				
Weight (with block)	kg	4				

PCMT

Options and accessories

PSC18		Additional/spare block: 20 x 0.5ml microtubes plus 12 x 1.5ml microtubes
PSC24N		Additional/spare block: 24 x 1.5ml microtubes
PSC24		Additional/spare block: 24 x 2.0ml microtubes
PSC32		Additional/spare block: 20 x 0.2ml microtubes plus 12 x 1.5ml microtubes
PSC96		Additional/spare block: 96-well PCR plate.



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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.