PHMT - thermoshaker for microtubes and PCR plates

Variable speed, variable temperature thermoshaker combining three instruments in one for maximum versatility and efficiency:

- a microtube and microplate thermoshaker
- a compact benchtop incubator
- a microtube and microplate shaker in cold or ambient temperatures
 - Capacity for up to 24 or up to 32 microtubes or PCR 96 well plate
 - Temperature setting range: +25°C to100°C
 - Temperature control range: +5°C above ambient to 100°C
 - Shaking speed: 250 to 1400 rpm
 - Rapid heat-up speed
 - Continuous or timed operation, with alarm and automatic switch-off facility
 - Improved fast start 3s to maximum shaking speed
 - Temperature calibration function

Model PHMT-PSC18 shown



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

Easy programming via simple push buttons and display

Choice of five models available:

- PHMT-PSC18
 (20 x 0.5 ml plus 12 x 1.5 ml microtubes)
- PHMT-PSC24N (24x 1.5 ml microtubes)
- PHMT-PSC24

1.5 ml microtubes)

- (24x 2.0 ml microtubes)
 PHMT-PSC32
 (20x 0.2 ml microtubes and 12 x
- PHMT-PSC96 (96-well PCR plates, 0.2 ml)

Unit supplied with a block, please specify when ordering



Convenient interchangeable block for 20 or 12 microtubes provides flexibility for an easy change in application

New upgraded! 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 'soft' start function for delicate samples

Timer 1 min to 96 hours

Low voltage cord easily fits through door gaskets, allowing use in incubators, refrigerators and workstations

New upgraded! Fast start - acceleration 3 seconds

Compact and sturdy, with a low profile and small footprint – fits neatly into the workspace and provides years of reliable service

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

Thermoshakers » PHMT » Models and specifications

Thermoshakers - mo	odels and spec	ifications			
• = option	For microtubes				For microplates
	PHMT-PSC18	PHMT-PSC24N	PHMT-PSC24	PHMT-PSC32	PHMT-PSC96
	4 kg h: 130 mm d: 230 mm w: 205 mm	4 kg h: 130 mm d: 230 mm w: 205 mm	4 kg h: 130 mm d: 230 mm w: 205 mm	4 kg h: 130 mm d: 230 mm w: 205 mm	4 kg h: 130 mm d: 230 mm w: 205 mm
Temperature setting range °C	+ 25 to 100				
Temperature control range	+5°C above ambient to 100°C				
Temperature uniformity over the block	@ +37°C ±0.1°C @ +60°C ±0.2°C @ +100°C ±0.2°C				
Display	2 line x 16 character LCD				
Heat up speed RT to 100°C	4°C/min				
Capacity	32 microtubes 20 x 0.5 ml and 12 x 1.5 ml	24 x 1.5 ml microtubes	24 x 2.0 ml microtubes	32 microtubes 20 x 0.2 ml and 12 x 1.5 ml	96-well PCR plate
Shaking speed rpm	250 to 1400				
Orbit diameter mm	2				
Timer	1 min to 96 hours (1min increment)				
Weight kg	4				
Input voltage V dc	12				
Input current A	4.16				
External power supply V	100-240				
Heating power W	42				
Maximum noise dBA	54.7				
Accessories					
PSC18 additional / spare block 20 x 0.5 ml microtubes plus 12 x 1.5 ml microtubes					
PSC24N additional / spare block 24 x 1.5 ml microtubes					
PSC24 additional / spare block 24 x 2.0 ml microtubes					
PSC32 additional / spare block 20 x 0.2 ml microtubes plus 12 x 1.5 ml microtubes					
PSC96 additional / spare block 96-well microplates (0.2 ml)			•		



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.