

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 to 100°C
- Temperature control range: +5°C above ambient to 100°C
- Shaking speed: 250 to 1400rpm
- Rapid heat-up speed
- Continuous or timed operation, with alarm and automatic switch-off facility
- Improved fast start: 3 seconds 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 0.5ml plus 12 x 1.5ml microtubes)
- **PHMT-PSC24N**
(24x 1.5ml microtubes)
- **PHMT-PSC24**
(24x 2.0 ml microtubes)
- **PHMT-PSC32**
(20x 0.2ml microtubes and 12 x 1.5ml microtubes)
- **PHMT-PSC96**
(96-well PCR plates, 0.2ml)

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.

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.

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 » Technical specifications and accessories

PHMT – Technical specifications

• = optional

	For microtubes				For microplates
	PHMT-PSC18	PHMT-PSC24N	PHMT-PSC24	PHMT-PSC32	PHMT-PSC96
					
	h: 130mm d: 230mm w: 205mm weight: 3.2kg	h: 130mm d: 230mm w: 205mm weight: 3.2kg	h: 130mm d: 230mm w: 205mm weight: 3.2kg	h: 130mm d: 230mm w: 205mm weight: 3.2kg	h: 130mm d: 230mm w: 205mm weight: 3.2kg
Temperature setting range	°C +25 to 100				
Temperature control range	°C +5 above ambient to 100				
Temperature uniformity over the block	±°C @ +37°C 0.1 @ +60°C 0.2 @ +100°C 0.2				
Display	2 line x 16 character LCD				
Heat up speed to 100°C	4°C per min				
Capacity	ml 32 microtubes 20 x 0.5 & 12 x 1.5	24 x 1.5 microtubes	24 x 2.0 microtubes	32 microtubes 20 x 0.2 & 12 x 1.5	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				
External power supply	Input AC 120-230V, 50/60Hz Output DC 12V				
Input voltage	V dc 12				
Power Consumption	W 42 (3.5A)				
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)		•