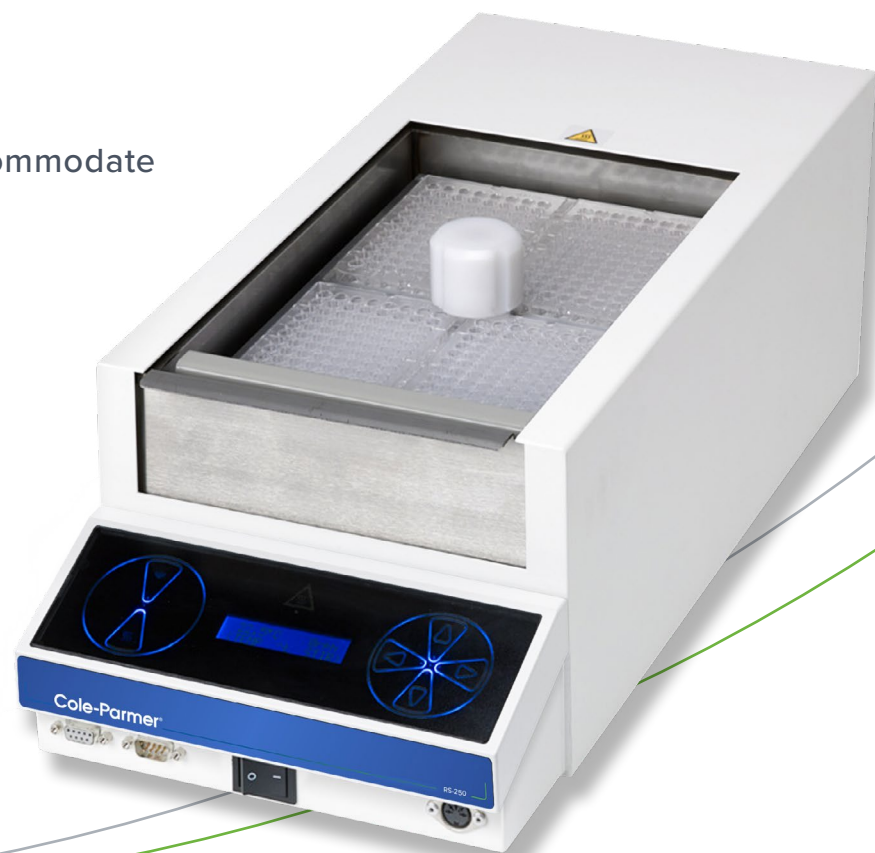


## Cole-Parmer® Heater/Shaker Reaction Station - RS-250

- Very versatile reaction blocks that can be inter-changed to accommodate different vessels and tray formats
- Customised reactor blocks also available
- Can be used on a robotic platform or within a laboratory using auto-park feature
- Choice of touchscreen control or external control via RS232/ RS485/ GSIOC ports
- Operates over a temperature range of ambient to 150°C
- Agitation speed of 100-600rpm
- 2-axis X-Y gyration system on solid bronze chassis that is both reliable and stable
- Designed for reliable, continuous 24 hour heating and agitation



## Technical Specification

Specification	RS-250D-S	RS-250D-S-115
Electrical requirements	230V, 50-60Hz, 900W	115V, 50-60Hz, 900W
Heating temperature range	Ambient to 150°C	Ambient to 150°C
Timer range	1 - 99 hours	1 - 99 hours
Agitation speed	100 - 600rpm	100 - 600rpm
LCD display	Backlit blue double line dot matrix	Backlit blue double line dot matrix
Glass touch panel	3mm clear with 2mm anti-reflective clear with toughened grey laminate bonded sandwich	3mm clear with 2mm anti-reflective clear with toughened grey laminate bonded sandwich
Touch key zones	Capacitance sensor touch	Capacitance sensor touch
Weight (excluding a reaction block)	42kg	42kg
Maximum load weight	7kg max for each reaction block	7kg max for each reaction block
Dimensions (W x D x H)	240 x 510 x 165mm	240 x 510 x 165mm

## Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
RS-250 Heater Shaker Reaction Station, 230V	99968-12	RS-250	RS-250D-S	PS83000
RS-250 Heater Shaker Reaction Station, 115V	99968-13	RS-250	RS-250D-S-115	PS83000X1

## Accessories

Description	Ordering Number	Legacy Sku.
RS-250 Reaction Block for 4 x PTFE microtitre plates	99968-05	PS80047
RS-250 Reaction Block for test tubes, 96 x 16mm OD	99968-07	PS80052
RS-250 Reaction Block for test tubes, 40 x 24mm OD	99968-08	PS80064
RS-250 Reaction Block for test tubes, 40 x 17mm OD	68006-12	PS80069
RS-250 Reaction Block for 96 x 1.5ml eppendorf tubes	99968-11	PS80114
RS-250 Temperature probe (external)	36630-62	AZ140940

# Cole-Parmer® Heater/Shaker Reaction Station - RS-250

The Cole-Parmer® RS-250 heater/shaker reaction station can be used within a robotic workstation or as a stand-alone apparatus within the lab. On a robotic platform, heating and shaking cycles can be controlled by external software or as part of a fully automated system, through the RS232/ RS485/ GSIOC ports; for standalone use, there is the additional option of controlling heating and shaking cycles via the user-friendly touchscreen.

The touchscreen panel enables the temperature and shaking speeds to be changed using up/down arrows and the actual values are clearly displayed on a high definition LCD display which has an anti-glare coating. The LCD display is cool blue to be visible in both bright and dim lighting conditions, without deleteriously affecting light-sensitive chemicals. The touchscreen has a laminated toughened glass panel that is chemically resistant to most solvents.

## Safety features

- Thermal cut-off eliminates runaway conditions
- Hot block warning via a highly visible warning display icon to alert user's when the block temperature is above 50°C, even when the apparatus is unplugged from the power supply
- Can be stopped rapidly in case of emergency by pressing down on the front sliding door. The front display will indicate "Door Open" and immediately stop
- Heating and stirring can be reset after stopping by closing the door and pressing the function key zones on the front panel to reactivate

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