

## Features

- Premium digital hot plates provide accurate heating with an advanced control algorithm
- Full-color TFT screen displays set and actual temperatures simultaneously
- Pt100 temperature probe provides sample temperature control
- Easily create single and multi-stage programs to save time
- Hot surface warning light flashes when plate temperature is above 50 °C

## RS PRO Hot Plates

RS Stock No.: 2846771



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

- Ideal for day-to-day use by scientific professionals and students, the RS Pro digital hot plate enables you to accurately set temperature with the LED display. A hot warning light protects you from accidental burns; it flashes when surface temperature is above 50 °C and remains on even if the unit is turned off or unplugged.
- The simple body design allows spillages to be easily deflected from the user. Front control panel resists spills and the glass is chemically toughened for extra resilience. In addition, units feature BioCote® antimicrobial protection which reduces the presence of odour and stain causing microbes such as bacteria, mould, and fungi on the product surface by up to 99.99%.
- Featuring a full-colour 4" TFT screen which simultaneously displays target settings and the actual temperature of the plate surface. An advanced control algorithm automatically measures the rate of temperature rise to judge the capacity and nature of samples, then optimizes the heating rate. An audible alert sounds when the set temperature has been reached.
- Individual temperature profiles can be created, added, and saved to the unit, allowing for fast setup of complicated experimental procedures. Built-in connectivity allows the unit to be updated in the field when new firmware versions are available. For accurate sample temperature control to within  $\pm 1^{\circ}\text{C}$ , plug in the PTFE-coated temperature probe (included) to the rear of the unit.

## General Specifications

Type	Hot Plate
Magnetic Stirrer	No
Style	Digital
Display Type	Digital
Heat Control	Turning Knob
Speed Control	N/A
LED Temperature Indicator	Yes
Hot Warning Light	Yes
Connection for External Sensor	Yes
Timer	No
Interface	Digital
Installation Category	II

## Plate Specifications

Plate Material	Coated Aluminium/Silicon	
Plate Dimensions	Length	150mm
	Width	150mm
	Thickness	20mm
Heat Area	150mm x 150mm	

Heater Power Wattage	750W
Temperature Setting Range	0 - 325°C
Heat Control Accuracy	1°C

## Electrical Specifications

Power Supply	230V, 50Hz
Plug Type	UK
Power Rating	700W

## Mechanical Specifications

Dimensions (w x l x h)	182 x 300 x 90mm
Width	182mm
Length	300mm
Height	90mm
Weight	2.31kg
Body Material	Steel
Body Colour	Red

## Protection Category

IP Protection	IP32
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## Accessories Includes

Stock #	Item Name	Item Description	Qty
	Retort rod, 600 x 12 mm diameter	Rod for clamping the controller at a safe distance	1
	Probe holder	Probe holder for the rod	1
	Temperature probe	PTFE coated PT100 temperature probe	1

## Similar Products

Stock No.	284-6775	284-6777	284-6776	284-6773	284-6772
Type	Stirrer	Hot Plate Stirrer	Hot Plate Stirrer	Hot Plate	Hot Plate
Magnetic Stirrer	Yes	Yes	Yes	No	No
Style	Analogue	Digital	Digital	Analogue	Analogue
Display Type	Analogue	Digital	Digital	Analogue	Analogue
Heat Control	Analogue	Analogue	Analogue	Analogue	Analogue
Speed Control	Analogue	Analogue	Analogue	Analogue	Analogue

Plate Material	Coated Aluminium/ Silicon	Coated Aluminium/ Silicon	Glass Ceramic	Coated Aluminium/ Silicon	Glass Ceramic
Plate Dimensions mm	150 x 150	150 x 150	150 x 150	150 x 150	150 x 150
Heat Area	150 x 150	150 x 150	120 x 120	150 x 150	120 x 120
Heater Power Wattage	700W	700W	500W	700W	500W
Temperature Setting Range	0 - 325	0 - 325	0 - 450	0 - 325	0 - 450
Heat Control Accuracy	1	1	1	1	1
Maximum Stirring Capacity	15L	15L	15L	N/A	N/A
Stirring Speed	100 - 2000	100 - 2000	100 - 2000	N/A	
Stirring Accuracy Speed	10 rpm	10 rpm	10 rpm	10 rpm	10 rpm
Stirring Bar Length	30-80mm	30-80mm	30-80mm	N/A	N/A
Dimensions (w x l x h) mm	180 x 255 x 122	180 x 255 x 122	180 x 255 x 122	180 x 255 x 122	180 x 255 x 122
Interface	Analogue	Digital	Digital	Analogue	Analogue
Power Supply	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz

## Product Range

### Hot Plates

Stock No.	Heat Power	Display	Plate Material	Max Temp.	Plate Dimensions
284-6772	500W	Analogue	Glass Ceramic	450°C	255 x 180mm
284-6773	700W	Analogue	Coated Aluminium/ Silicon	325°C	150 x 150mm
284-6771	750W	Digital	Coated Aluminium/ Silicon	325°C	150 x 150mm

### Stirrers

Stock No.	Capacity	Display	Plate Material	Speed
284-6774	15L	Analogue	Glass Ceramic	100 to 2000rpm
284-6775	15L	Analogue	Stainless Steel	100 to 2000rpm

### Hot Plates & Stirrers

Stock No.	Heat Power	Display	Plate Material	Max Temp.	Plate Dimensions
284-6776	500W	Digital	Glass Ceramic	450°C	150 x 150mm
284-6777	700W	Analogue	Coated Aluminium/ Silicon	325°C	150 x 150mm

### Hot Plate Controller

Stock No.	Probe	Display	Probe Material	Max Temp.	Dimensions
284-6778	PT100	Digital	Stainless Steel	200°C	75 x 90 x 123mm

Mixer					
Stock No.	Type	Capacity	Body Material	Speed	
284-6770	Orbital Shaker	100g	Die Cast Alloy	2500 to 4500rpm	