

## GyroStir 280H Magnetic Hotplate Stirrer

- Heating temperature up to 280°C
- Stainless steel with ceramic coated hotplate for high chemical resistance
- Speed Range 100-1500rpm
- Built-in plate temperature probe
- External temperature sensor (PT1000) Supplied Separately increases accuracy to  $\pm 0.5^{\circ}\text{C}$
- LED display of temperature and speed.
- 50°C HOT warning indicator for added safety (the indicator will still operate even after the unit is switched off).
- ABS casing with fire retardant material, resistant to weak acid and alkali
- 2 year warranty.



## GyroStir 340H Magnetic Hotplate Stirrer

In addition to the above, the 340H magnetic hotplate stirrer also features:

- Heating temperature up to 340°C
- Stainless Steel top plate
- Speed Range 100-1500rpm
- Easy-to-read backlit LCD display
- PC control via RS232
- 2 year warranty.



## GyroStir 550H Magnetic Hotplate Stirrer

In addition to the above, the 550H magnetic hotplate stirrer also features:

- ◆ Heating temperature up to 550°C
- ◆ Large 7" square ceramic top plate
- ◆ Speed Range 100-1500rpm
- ◆ 2 year warranty.



## GyroStir 100H-10 Multi Position Magnetic Hotplate Stirrer

- ◆ High-performance multi-position magnetic stirrer with 10 stirring position, optimum use of laboratory space
- ◆ The stainless steel surface covers the unit allowing easy cleaning and providing protection against the penetration of liquids
- ◆ Simultaneously operating stirrers, absolute consistency over sample condition for the individual samples
- ◆ Wide speed range: 0-1100 rpm/min
- ◆ Up to 120°C plate temperature
- ◆ 2 year warranty.



## Ordering Information

Part Number	Description
SP2230-280H	<b>GyroStir 280H</b> – Digital Hotplate Magnetic Stirrer SP2202 temperature probe (PT1000) Supplied separately
SP2235-DH	<b>GyroStir 340H</b> – Digital Hotplate Magnetic Stirrer complete with SP2202 temperature probe (PT1000)
SP2245-550H	<b>GyroStir 550H</b> – Digital Hotplate Magnetic Stirrer complete with SP2202 temperature probe (PT1000)
SP2240-10AH	<b>GyroStir 100H-10</b> – Analogue 10 place magnetic hotplate stirrer

## Stirrer Accessories

Part Number	Description
SP-MSBAR10	Magnetic Stirrer bar (10mm x 6mm)
SP-MSBAR15	Magnetic Stirrer bar (15mm x 8mm)
SP-MSBAR20	Magnetic Stirrer bar (20mm x 8mm)
SP-MSBAR25	Magnetic Stirrer bar (25mm x 8mm)
SP-MSBAR30	Magnetic Stirrer bar (30mm x 6mm)
SP-MSBAR40	Magnetic Stirrer bar (40mm x 8mm)
SP-MSBAR50	Magnetic Stirrer bar (50mm x 8mm)
SP-MSBAR65	Magnetic Stirrer bar (65mm x 8mm)
SP-MSBAR80	Magnetic Stirrer bar (80mm x 13mm)
SP-MARRM	Magnetic Stirrer bar remover, length of 200mm

## Technical Specification

Model	GyroStir 280H	GyroStir 340H	GyroStir 550H	GyroStir 100H-10
Part number	SP2230-280H	SP2235-DH	SP2245-550H	SP2240-10AH
Number of positions	1	1	1	10
Max plate Temp	280°C	340°C	550°C	120°C
Plate size	135mm	135mm	184mm	180x450mm
Max H2O	3L	20L	20L	0.4L per position
Plate material	Ceramic	Stainless Steel	Ceramic	Stainless Steel & Silicone film
Display	LED	LCD	LCD	None
Control	Digital	Digital	Digital	Analogue
Additional External probe	PT1000 (supplied separately )	PT1000 (supplied as standard)	PT1000 (supplied as standard)	Internal only
Connectivity	None	RS232	RS232	None
Max Length Stirrer Bar	50mm	80mm	80mm	40mm
Heat output	500W	500W	1000W	470W
Hot warning indication	>50°C	>50°C	>50°C	None
Control accuracy with external probe	±0.5°C	±0.2°C	±0.2°C	N/A
Dimensions DxWxH	260x150x80mm	280x160x85mm	215x360x112mm	182x622x65mm
Cold room / incubator safe	Yes	Yes	Yes	Yes
Ingress protection rating	IP21	IP42	IP21	IP42

## Hot Plate Accessories

Part Number	Description	Image
SP-135.1	Platform adapter for the use of thermo-block vial holders <i>(for 280H &amp; 340H Stirrers ONLY)</i>	
SP-135.8	Platform adapter for the use of thermo-block vial holders <i>(for 280H &amp; 340H Stirrers ONLY)</i>	
SP-135.2	Thermo-block vial holder for 4ml bottles (Ø15.2mm) Red anodized - 11 hole - 20mm block depth	
SP-135.3	Thermo-block vial holder for 20ml bottles (Ø28mm) Purple anodized - 4 hole - 24mm block depth	
SP-135.4	Thermo-block vial holder for 30ml bottles (Ø28mm) Blue anodized - 4 hole - 30mm block depth	
SP-135.5	Thermo-block vial holder for 40ml bottles (Ø28mm) Black anodized - 4 hole - 43mm block depth	
SP-135.6	Thermo-block vial holder for 8ml bottles (Ø17.8mm) Green anodized - 6 hole - 26mm block depth	
SP-135.7	Thermo-block vial holder for 16ml bottles (Ø21.6mm) Gold anodized - 4 hole - 31.7mm block depth	
SP-136.1	Thermo-block for use with 50ml round bottom flasks <i>(for 280H &amp; 340H Stirrers ONLY)</i>	
SP-136.2	Thermo-block for use with 100ml round bottom flasks <i>(for 280H &amp; 340H Stirrers ONLY)</i>	
SP-136.3	Thermo-block for use with 250ml round bottom flasks <i>(for 280H &amp; 340H Stirrers ONLY)</i>	
SP-136.4	Thermo-block for use with 500ml round bottom flasks <i>(for 280H &amp; 340H Stirrers ONLY)</i>	
SP2202	External PT1000 Temperature Probe	
SP2203	Support Stand & Clamp for External Temperature Probe <b>Suitable for 340H and 550H stirrer only.</b>	
SP2204	Support Stand & Clamp for External Temperature Probe <b>Suitable for 280H stirrer only.</b>	