



# Electrothermal

For all your heating,  
cooling & stirring needs

CMU Electromantles

Controllers

Heating Cords & Tapes

Histology & Pathology Products

Kjeldahl Equipment

Melting Point Apparatus

Metal Electromantles

Multi (Extraction) Mantles

STEM Omni Reaction Stations

STEM RS Reaction Stations

STEM Integrity 10 Reaction Station

Stirrers





## Stirrers

Equipment for stirring up to 24 litres of fluid

Our range of stirrers includes low profile single and multi-position stirrers, mini-stirrers, slow speed stirrers and immersible stirrers which can operate underwater. Many of our stirrers have the choice of integral control or may be controlled by an external controller.

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# Low Profile Stirrer

## Stirrers

Low profile stirrers may be used either with an integral controller or an external remote controller (AS645). The maximum achievable stirring speed of 2000rpm is affected by the stir bar, type, shape of the vessel, the volume and the viscosity of the solution.

- Uses Stir Trac technology which has strong magnetic coupling
- Rated for continuous use and sealed to IP65 standards
- Stirring speed range from 350 to 2000rpm
- Operating temperature 0 to 50°C
- Glass fibre housing
- Recommended controller is the AS645 controller



## Technical Information

Dimensions (d x w x h)                      255 x 255 x 60mm

## Integrated Controllers - Ordering Information

Integrated controllers, same speed at all positions

Part Code	Model	No. of positions	Capacity	Description	Weight	Electrical Requirements
PS60040	AS629	1	2L	Stir platform	0.8kg	230V, 50/60Hz, 7W
PS60057	AS639	1	24L	Stir platform	1.9kg	230V, 50/60Hz, 7W
PS60042	AS631	4	1L	Stir platform	2.4kg	230V, 50/60Hz, 28W
PS60043	AS632	5	400ml	Stir platform	2.7kg	230V, 50/60Hz, 35W
PS60044	AS633	9	250ml	Stir platform	3.2kg	230V, 50/60Hz, 63W

## Remote Controllers - Ordering Information

Remote controllers, same speed at all positions use with stir bar stirrers; all to be used with AS645 Controller

Part Code	Model	No. of positions	Capacity	Description	Weight	Electrical Requirements
PS60062	AS644	1	24L	Stir platform	1.9kg	230V, 50/60Hz, 7W
PS60030	AS626	4	1L	Stir platform	2.4kg	230V, 50/60Hz, 28W
PS60032	AS628	5	400ml	Stir platform	2.7kg	230V, 50/60Hz, 35W
PS60031	AS627	9	250ml	Stir platform	3.2kg	230V, 50/60Hz, 63W
PS60063	AS645	Remote controller				

Small and convenient, mini-stirrers can stir up to a volume of 1 litre fluid, over a stirring speed range of 350 - 2000rpm.

A digital version is available which has an LED display to show the actual stirrer speed.

- Stir speed of between 350 - 2000rpm
- Up to 1 litre stir capacity

### Technical Information

Dimensions (d x w x h)	143 x 143 x 66mm
Weight	0.5kg
Electrical requirements	230V, 50/60Hz

### Integrated Controllers - Ordering Information

Integrated controllers, same speed at all positions

Part Code	No. of positions	Capacity	Description	Weight	Electrical Requirements
PS61013	1	1L	Standard Mini stirrer	0.5kg	230V, 50/60Hz
PS61014	1	1L	Digital Mini stirrer	0.5kg	230V, 50/60Hz
PS61066	1	1L	Unbranded Mini stirrer	0.5kg	230V, 50/60Hz
PS61034	-	-	Mini stirrer 12V transformer (UK)		
PS61035	-	-	Mini stirrer 12V transformer (EU)		
PS61036	-	-	Mini stirrer 12V transformer (US)		
PS60081	-	-	Power adaptor 12V D (110V)		

# Slow Speed Stirrers

## Stirrers with Integral Control

Slow speed stirrers feature sophisticated, electronically controlled magnetic drivers for precision stirring, which is reproducible to better than 1rpm. They are designed for stirring cell culture media or similar substances at slow speed, and may be used with a choice of suspended, pendulum or stir bar stirrers.

- Designed for stirring cell culture media or similar substances at slow speed.
- They may be used with an external controller
- Recommended controller is the AS614 controller
- Splash-proof non-corrosive polymer case
- Low-profile, easy-to-clean design
- Speed range from 0 to 150rpm



## Accessories - Ordering Information

### Slow Speed Stirrers

Part Code	Model	Description
PS60019	AS614	Remote controller with LCD
AT60064	-	PTFE coated magnetic stir bar 60mm x 10mm (5 pack)
AT60066	-	PTFE coated magnetic stir bar 25mm x 6mm (5 pack)

# Slow Speed Stirrers

## Stirrers with Integral Control

### Integral Controller - Ordering Information

Integral controllers, use with suspended & stir bar stirrers

Part Code	Model	No. of positions	Capacity	Description	Dimensions (d x w x h), mm	Weight (kg)	Electrical Requirements
PS60046	AS635	1	2L	Stir platform	150 x 150 x 70	0.8	230V, 50/60Hz, 10W
PS60059	AS641	1	5L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60060	AS642	1	10L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60055	AS637	1	24L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60058	AS640	4	2L	Stir platform	260 x 260 x 70	2.7	230V, 50/60Hz, 10W

### Integral Controller - Ordering Information

Integral controllers, use with pendulum stirrers

Part Code	Model	No. of positions	Capacity	Description	Dimensions (d x w x h), mm	Weight (kg)	Electrical Requirements
PS60046	AS635	1	2L	Stir platform	150 x 150 x 70	0.8	230V, 50/60Hz, 10W
PS60059	AS641	1	5L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60060	AS642	1	10L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60055	AS637	1	24L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60058	AS640	4	2L	Stir platform	260 x 260 x 70	2.7	230V, 50/60Hz, 10W

### Remote Controller - Ordering Information

Remote controllers, use with suspended and stir bar stirrers; all to be used with AS614 controller

Part Code	Model	No. of positions	Capacity	Description	Dimensions (d x w x h), mm	Weight (kg)	Electrical Requirements
PS60017	AS612	1	5L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60018	AS613	1	10L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60054	AS636	1	24L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60016	AS640	4	2L	Stir platform	260 x 260 x 70	2.7	230V, 50/60Hz, 10W

### Remote Controller - Ordering Information

Remote controllers, use with pendulum stirrers; all to be used with AS614 controller

Part Code	Model	No. of positions	Capacity	Description	Dimensions (d x w x h)	Weight (kg)	Electrical Requirements
PS60068	AS646	1	5L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60069	AS647	1	10L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60070	AS648	1	24L	Stir platform	260 x 260 x 70	2	230V, 50/60Hz, 10W
PS60016	AS611	4	2L	Stir platform	260 x 260 x 70	2.7	230V, 50/60Hz, 10W

# Immersible Stirrers

## Stirrers

Immersible Stirrers are completely sealed for use when immersed or in high humidity applications. They are ideal for stirring in water baths, incubators and environmental chambers up to a temperature of 50°C.

They can accommodate stir volumes of 400ml to 2 litres and can be used with or without a controller; the recommended controller is the AS625 2-channel remote controller.

- Immersible stirrers can be used with the 2-channel remote controller (AS625)
- Control up to six stir pads with one controller
- Stirring capacities from 400ml to 2L
- Case material is moulded ABS
- Stir speed range from 350 to 2000rpm
- Includes oval stir bar



## Technical Information

Stirring Range 350 to 2000rpm

Temperature Range - 5 to 50°C

## Immersible Stirrer with Integral Control - Ordering Information

Integral controllers, use with suspended & stir bar stirrers

Electrical Requirements 230V, 50/60Hz, 12W

Part Code	No. of positions	Capacity	Description	Dimensions (d x w x h), mm	Weight (kg)
PS60002	1	400ml	Stir pad	77 dia x 68	0.5
PS60003	1	1L	Stir pad (AS604)	102 dia x 68	0.9
PS60004	1	2L	Stir pad (AS606)	152 dia x 68	1.5

## Immersible Stirrer with Remote Control- Ordering Information

Remote controller, same speed at all positions use with stir bar stirrers;

All to be used with AS625 controller

Electrical Requirements 230V, 50/60Hz, 12W

Part Code	No. of positions	Capacity	Description	Dimensions (d x w x h), mm	Weight (kg)
PS60084X1	1	400ml	Stir pad	77 dia x 68	0.5
PS60086X1	1	1L	Stir pad	102 dia x 68	0.9
PS60085X1	1	2L	Stir pad	152 dia x 68	1.5
PS60029			AS625 2-Channel remote controller		

*Add X1 suffix for 115V and X6 suffix for 230V with EU plug*

# Multi-Position Stirrers

## Stirrers

Multi-Position Stirrers offer six individually controlled stirring positions. These multi-position stirrers control multiple experiments with varied speeds from 350 to 2000 rpm.

Includes: Stirrer, 6-channel external controller (AS601) and 1 stir bar for each position.

- Low-profile design is stable and easy to clean
- Each position is controlled independently using external controller
- AS601 6-channel remote is recommended controller
- Material is moulded ABS (high impact)
- Operating temperature: 0 to 40°C
- Stir speed range: 350 - 2000rpm



### Technical Information

No. of Stirring Positions	6
Capacity	250ml per position
Dimensions (d x w x h), mm	165 x 250 x 63
Weight	2.5kg

### Multi-position stirrers - Ordering Information

Remote controller, individual speed control at all positions to be used with AS601 controller

Electrical Requirements 230V, 50/60Hz, 63W

Part Code	Model	No. of positions	Capacity	Description
PS60001*	AS602	6	250ml	Stir platform for use with AS601 Controller
PS60006*	AS601	-	-	6-Channel remote controller
PS60087*				PS60001 and PS60006 combined kit

*Add X1 suffix for 115V and X6 suffix for 230V with EU plug*