

Laboratory Equipment

HotPlate Magnetic Stirrer •

Hotplate Magnetic Stirrer

- Unsupervised operations •
- Support both heating and stirring function •
- Excellent chemical resistance •
- Hot indication for safe operation •
- Separate safety circuit •
- External temperature control •



Hotplate Magnetic Stirrer

LabTech hotplate magnetic stirrers are designed to provide user high quality, low cost heating/stirring system for routine applications. Low profile case construction is carefully designed to ensure maximum user safety degree.

Functionality, safety, and longevity are the main focus in the development of LabTech magnetic stirrers.

ES35A and ES35A-Pro

- Magnetic stirrer with modern design
- Stainless steel plates or porcelain enamel heating surfaces
- Precise analogical stirrer speed control
- High electronic insulation degree (IP42) and external brushless motor guarantees long service time
- Separate safety circuit automatically stop heating when temperature exceed 350°C



ES35A



ES35A-Pro

ES35B and ES35B-Pro

- New stir technology unit for unsupervised operations
- Automatic judgment of stirring bar position and reposition
- Easy-to-read backlit LCD display
- High accuracy heating/stirring controls
- Stainless steel plates or porcelain enamel heating surface for excellent chemical resistance
- Hot indication even when power off ($\geq 50^{\circ}\text{C}$)
- Separate adjustable safety circuits
- External PT1000 temperature probe option



ES35B



ES35B-Pro

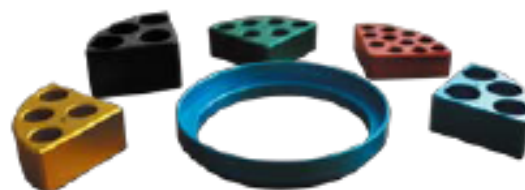


Hotplate Stirrer

Specifications	ES35B / ES35B-Pro	ES35A / ES35A-Pro
Power [W]	550	530
Stirring point position quantity	1	1
Max. stirring quantity (H ₂ O) [L]	20	20
Motor type	Brushless motor	Brushless motor
Motor rating input/Output [W]	18/10	18/10
Speed range [rpm]	100-1500	0-1500
Speed display	LCD	Scale
Speed display accuracy [rpm]	1	--
Material	Porcelain enamel (B-Pro) Stainless steel (B)	Porcelain enamel (A-Pro) Stainless steel(A)
Dimension of plate [mm]	φ135	φ135
Heating power [W]	500	500
Heat rate (1Lwater) [K/min]	6	6
Heating temperature range [°C]	RT-340	RT-340
Temperature display	LCD	Analog Scale
Temperature display accuracy [°C]	0.1	-
Control accuracy of heating temperature[°C]	1	-
Adjustable safety circuit(heating plate)[°C]	100-350 adjustable	-
Control accuracy of heating temperature with external temperature sensor[°C]	0.2	-
External temperature sensor	PT1000(Option)	-
Dimension [mm]	280×160×85	280×160×85
Weight[kg]	2.8	2.8
Permissible ambient temperature [°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class acc. to DIN EN60529	IP42	IP42

Accessory for Option

- External Temperature Sensor PT1000 and holder
- Heating Blocks



Accessory for Option

P/N	Description
18900065	Rack circle for heating blocks MS 135.2 to 135.7
18900002	Red 1/4 pie for 4 ml reaction tube, 11-position, hole diameter 15.2 mm and depth 20 mm
18900003	Purple 1/4 pie for 20 ml reaction tube, 4-position, hole diameter 28 mm and depth 24 mm
18900004	Blue 1/4 pie for 30 ml reaction tube, 4-position, hole diameter 28 mm and depth 30 mm
18900005	Black 1/4 pie for 40 ml reaction tube, 4-position, hole diameter 28 mm and depth 43 mm
18900048	Green 1/4 pie for 8 ml reaction tube, 6-position, hole diameter 17.75 mm and depth 26 mm
18900049	Golden 1/4 pie for 16 ml reaction tube, 4-position, hole diameter 21.6 mm and depth 31.7 mm
18101006	Single position heating block for 50 ml flask
18101007	Single position heating block for 100 ml flask
18101008	Single position heating block for 250 ml flask
18101009	Single position heating block for 500 ml flask
LT-EX 1000	Extremal sensor and holder
404-005	Stirr bar (10mm x 6mm)
404-006	Stirr bar (15mm x 8mm)
404-007	Stirr bar (20mm x 8mm)
404-008	Stirr bar (25mm x 8mm)
404-009	Stirr bar (30mm x 6mm)
404-010	Stirr bar (40mm x 8mm)
404-011	Stirr bar (50mm x 8mm)
404-012	Stirr bar (65mm x 8mm)
404-013	Stirr bar (80mm x 13mm)
404-014	Stirr bar remover, 20cm

- Heating block is Aluminum.
- Stirr bar is coating PTFE