

Hot Plate with controls

HMS-3001 Series



Features

- ✦ A traditional magnetic stirrer with modern design
- ✦ Stainless steel plates and with/without hotplate porcelain enamel surface
- ✦ Variable speed of motor
- ✦ Motor with electronic speed control, constant speed even during changes in load
- ✦ High magnetic adhesion, prevent the stirrer bar escape
- ✦ Enclosed assembly(IP42) and external rotor brushless motor guarantees long service time
- ✦ Safe separate circuit, automatically stop to heat when the temperature over 350°C

Features

- ✦ Magnetic stirrer suitable for unsupervised operation, with new stir technology
- ✦ Automatic judgment stirring bar displacement and capture
- ✦ Easy-to-read backlit LCD display
- ✦ High accuracy of heating temperature controlling and the control of safe temperature
- ✦ Hotplate with stainless steel surface or porcelain enamel surface with excellent chemical resistance
- ✦ 2 adjustable safety circuits
- ✦ Separateness temperature sensor, protection temperature can be set

Technical specification

	HMS-3001A / HMS-3001B	HMS-3001C/ HMS-3001D
Power [W]	550	530
Stirring point position quantity	1	1
Max. stirring quantity (H ₂ O) [L]	20	20
Stirring point position quantity [mm]	80	80
Motor type	External rotor brushless motor	External rotor brushless motor
Motor rating input [W]	18	18
Motor rating output [W]	10	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 (Option)	PT1000	-
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

*Note: Company Can Custom/Tailor make as per the customer orders/requirements.

Support & Services

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing	:We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.
Trainings	:We also take up preventive Maintenance to reduce downtime of HPLC's
AMC's/CMC	:We offer user training both in-House and at customer sites on HPLC principles, operations, troubleshooting.
Validations	:We have protocols for carrying out periodic Validations as per GLP/GMP/U SFDA norms
Instruments	:We offer instruments / Renting Services Modules like pumps, detector etc. on Rent.



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About Analytical Technologies

						
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▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility



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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Comps etc.

▶▶▶ Reach us @



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