

Descriptions:

- TFT 4.3 inch and bright display, easy operation and read, 0.1/0.01 display solution available, set temperature, actual temperature, liquid level status, heating ,cooling, pump speed are displayed on screen, maximum temperature up to 100°C;
- Big bath opening design , more sample vessels;
- Compact models are ideal for placement on table;
- Stainless parts for bath, cooling coils, buoyage, tube heater, sensors and pump tubes ;
- Internal pump for better temperature uniform;
- Class III safety protection: low liquid buoyage, adjustable hardware over temperature protection and software overtemperature, suitable for flammable liquid ;
- Drain tap easily accessible;
- Sample racks available;
- Bath cover available, and customized cover possible ;
- DC brushless stirring with adjustable speed and high stirring power; each stirring position can be independently controlled and set;
- Dual magnetic stirring: one level stirs the bath liquid for uniform temperature, while the other drives the magnetic stirrer in the beaker for even sample mixing;
- Standard cover for securing and testing sample cups of various sizes;
- Shows actual channel and speed; rotary knob for quick setting ;
- Internal Circulation: the circulation pump stirs the liquid horizontally and vertically for uniform temperature, big bath opening design, with brackets for temperature testing of various tubes, beakers, and reactors.
- Optional forward, reverse, or alternating rotation
- Optional each position supports timing and duration control;
- Optional magnetic stirrers.

More benefits [need extra cost]:

- RS485 or RS232 are available upgraded
- Heating capacity 3KW is available upgraded;
- Software “LabTemp”available for PC terminal monitoring and data recording ;
- External temperature control available upgraded for external closed and open applications
- Programming line increase and decline temperature control available upgraded
- Movable tray available for feet standing models , for better placement and move to another applications ;

Application :

- Routine laboratory applications, eg. Cell cultivation, temperature control of samples, incubation, material, corrosion tests, temperature test of food and beverages
- Biochemical research, enzyme and tissue studies, homogenization, fermentation, blood plasma thawing



Data sheet

	Unit	HRB32-3x3
Safety Class		III/NFL
Working temp.	[°C]	-10....100
Temp.stability	[° C]	±0.05
Display	[-]	TFT
Resolution	[°C]	0.1/0.01/0.001 Adjustable
Temp.control mode	[-]	Intelligent PID
Temp.control sensor	[-]	PT 100
Cooling capacity	[W]	750(20°C)
Heating capacity	[W]	2000
Pump type	[-]	Magnetic pump
Distance between stirrer	[mm]	130
Max Flask Diameter Per Place	[mm]	89
Magnetic Stirrer Speed Range	[mm]	0-1200
Refrigerant	[-]	R404A/190g
Bath volume	[L]	32
Dimensions(WxDxH)	[mm]	630*420*350
Bath opening(WxDxH)	[mm]	400*400*150
Instuments mounting	[-]	Table stand
Working continuously	[%]	100
Permissible environment temp.	[°C]	5..32
Permissible humidity	[%]	80
Power supply	[-]	200-230V/50-60Hz