

Laboratory and Measuring and Observing and Testing Equipment >> Laboratory and scientific equipment >> laboratory heating and drying equipments >> laboratory hotplates

Specifications:

Name	Type	Restrictions	Unit	Properties
Group: Configuration parameters				
1. Hot plate Shape & work surface size (with +/- 2 % tolerance in specified dimension(s))	Enumerable	Rectangular 10 inch x 12 inch, Rectangular 10 inch x 16 inch, Rectangular 12 inch x 18 inch, Rectangular 18 inch x 24 inch, Circular 7 inch diameter, Circular 8 inch diameter, Circular 8.5 inch diameter, Circular 9 inch diameter, Square 4 inch x 4 inch, Square 6 inch x 6 inch, Square 7 inch x 7 inch, Square 8 inch x 8 inch, Square 8.5 inch x 8.5 inch	N/A	Mandatory,Filter,Golden
2. Type of Controller	Enumerable	Microprocessor Controlled, Analog, Other	N/A	Mandatory,Filter,Golden
3. Set-up plate/Top plate Material	Enumerable	Cast iron, Stainless Steel, Mild steel, Ceramic, Die cast Aluminium, Aluminium Alloy	N/A	Mandatory,Filter,Golden
4. Set-up plate/Top plate Finish	Enumerable	Ceramic coated, Polished, PTFE coated	N/A	Mandatory,Filter,Golden
5. Body Material	Enumerable	Stainless Steel, Mild Steel, Plastic, Metal Alloy, Die cast Aluminium	N/A	Mandatory,Filter,Golden
6. Finish of Body material	Enumerable	Powder coated, Electro plated, Stove Enamel painted	N/A	Mandatory,Filter,Golden
7. Base material	Enumerable	Die cast aluminium, Stainless Steel, Mild Steel, Plastic	N/A	Mandatory,Filter,Golden
8. Finish of Base material	Enumerable	Powder coated, Electro plated, Polished finish, Painted	N/A	Mandatory,Filter,Golden
9. User Interface	Enumerable	Analog Front Panel, Digital Front Panel	N/A	Mandatory,Filter
10. Type of timer	Enumerable	Analog, Digital, Not available	N/A	Mandatory,Filter,Golden
11. Type of Data Logging Option (through USB, RS232, Printer port, HDMI or Bluetooth)) available:	Enumerable	USB,RS 232,HDM1,, USB,RS 232,HDM1,BLOO TOOTH, Not available	N/A	Mandatory,Filter,Golden

Name	Type	Restrictions	Unit	Properties
12. Additional Safety Features hint: Give details of safety features like Auto cutoff for Over temperature and other product specific safety features Write "N/A" if not applicable	Enumerable	Positively securing cables ensuring electrical cords and temperature sensor probe wires do not come in contact with the hot plate surface, "Power-on" indicator light (if a non-digital hot plates), Temperature control knob with clearly marked "off" position and Automatic high temperature shut-off and provision of thermal gloves or tongs for removing hot items from a hot plate.	N/A	Mandatory
13. Number of Heating Position	Numeric	1, 2, 3, 4, 5	N/A	Mandatory,Filter,Golden
14. Programmable	Enumerable	yes with PID Controller, No	N/A	Mandatory,Filter,Golden
15. Cooling facility available	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
16. Supplied with Magnetic stirrer(s) :	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
17. If remote control facility available:	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
Group: Certifications				
1. If the manufacturer is certified to ISO9001:2008 or latest hint: (To be furnished by Seller to Buyer on demand)	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
2. Product is CE certified (To be furnished by Seller to Buyer on demand):	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
3. Availability of Test Report (to be submitted by Seller to Buyer on demand) from Central Govt/NABL/ILAC accredited lab to prove conformity to specification:	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
Group: User Interface				

Name	Type	Restrictions	Unit	Properties
1. Display Option/Output Read out Option hint: Analog: Analog meter or Visual Indicator Digital: Numerical or Application Specific Display,LCD or Other Multi line form Other:CRT	Enumerable	Analog, Digital Numerical Display, Video Display (CRT, LCD,LED or other multi-line display)	N/A	Mandatory,Filter,Golden
Group: Temperature				
1. Temperature Accuracy in degree C (+/-):	Numeric	<=5	N/A	Mandatory,Filter,Golden
2. Pulse mode available	Boolean	Yes, No	N/A	Mandatory,Filter,Golden
3. Heating Element material hint: Must Declare.	Enumerable	Aluminium, Ceramic, Enamel	N/A	Mandatory,Filter,Golden
4. Type of Temperature controller of hotplate	Enumerable	ON/OFF Controller, Proportional Controller, Proportional-Integral-Derivative (PID) Controller, Electronic digital temperature controller cum indicateor, Microprocessor based controller	N/A	Mandatory,Filter,Golden
5. Type of Temperature Sensor	Enumerable	Thermocouple, Resistor Temperature Detector (RTD), Thermocouple(TC), Thermistor, Infra Red Sensor, Semi-conductor thermometer	N/A	Mandatory,Filter,Golden
6. Type of Hot plate	Enumerable	Fixed Temperature, Variable Temperature	N/A	Mandatory,Filter,Golden
7. minimum temperature of Temperature range of hotplate: (in degree Celsius)	Numeric	<=100	N/A	Mandatory,Filter,Golden
8. maximum temperature of Temperature range of hotplate: hint: (in degree Celsius)	Numeric	30 - 600	N/A	Mandatory,Filter,Golden
Group: Power				

Name	Type	Restrictions	Unit	Properties
1. Power Supply	Enumerable	220 / 230 Volts, 50 Hz AC	N/A	Mandatory
2. Power consumption	Numeric	1 - 3000	N/A	Mandatory
3. Warranty in years	Enumerable	1, 2, 3	N/A	