

Procedure for operating the FB 1400 furnace

Shagufta Patel.

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The furnace can be used in the following temperature ranges.

1. Intermittent use: 982 °C to 1100 °C
2. Continuous use: 100 °C to 982 °C.

Continuous use is operating the furnace for more than three straight hours, and the intermittent use is operating the furnace less than three hours.

Using FB 1400 Furnace.

1. Place the sample to be heated inside the oven. Make sure that the material used in holding the sample can withstand the high temperatures.
2. Switch on the power switch, the LED will glow and then the measure value of the temperature will be displayed.
3. Press and hold the up or down arrow key to see the set temperature. It can be changed by pressing up and down arrow key to set it to desired value.
4. When the furnace is in heating mode output (OP1) symbol is displayed along with the orange LED will glow. When the desired temperature is attained the OP1 symbol is not visible in the home display and the orange LED will blink.
5. When the set temperature is less than the measured temperature the OP2 symbol will be displayed in home display.
6. To see the unit of temperature press scroll button.

Safety Precautions

1. Never open the furnace when it is switched on.
2. Always use metal tongue to place or to remove the sample from the furnace.
3. Wear insulated (not plastic or rubber) gloves when placing or removing samples.
4. Before removing the sample switch off the furnace and allow the furnace to cool down for about 15 to 30 minutes before opening the door.
5. When removing sample, place hot sample on metal wire mesh or metal plate to protect the table top from burning.