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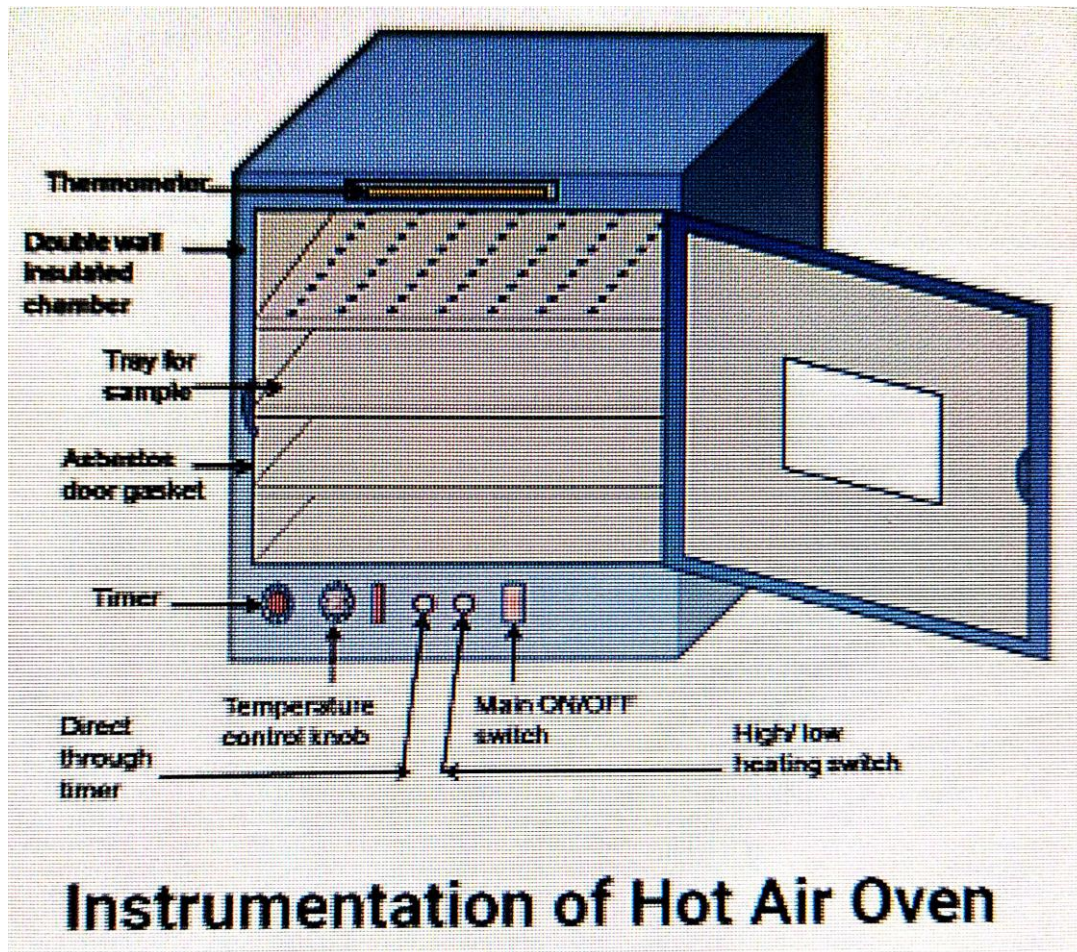
INCUBATOR :

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..... 37°C



Instrumentation of Hot Air Oven

Instrumentation of Hot Air Oven:

Power supply: 220V AC. The oven is connected to the power supply through a main ON/OFF switch and a high/low heating switch. The temperature control knob is used to set the desired temperature, and the timer is used to set the heating duration.

Operation: The oven is preheated to the desired temperature. The sample is placed on the tray, and the door is closed. The oven is then heated for the specified duration. The sample is removed, and the door is opened. The sample is cooled, and the residue is weighed. The oven is then cleaned and ready for use.

Precautions: The oven should be used in a well-ventilated area. The door should not be opened during heating. The sample should be placed on the tray carefully. The oven should be cooled before opening the door.

Maintenance: The oven should be cleaned regularly. The door gasket should be checked for wear and replaced if necessary. The temperature control knob and timer should be checked for proper operation.

Applications: The hot air oven is used for the determination of moisture content in various samples. It is also used for the determination of ash content in coal and other solid fuels.

Advantages: The hot air oven is simple in design and easy to operate. It provides a uniform heating environment for the sample. It is suitable for the determination of moisture content in a wide range of samples.

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