



OVENS

Oven drying method is the standard method for the determination of moisture content of soils and aggregates. The temperature of the specimen is to be maintained between 105° and 110°. 'HEICO' manufactures a range of thermostatically controlled ovens for working within the range of ambient to 250°. The maximum variation in the set temperature is $\pm 1^\circ\text{C}$.

Described hereunder are two types of ovens generally used in the laboratories.

●● HS100.105

Hot air oven

This is a double walled oven with the inner chamber made of aluminum or stainless steel sheet and the outer surface of mild steel sheet with a gap of 64 mm between walls filled with glass wool for proper insulation to avoid heat loss. Outside is finished in durable white enamel. Two or three removable shelves are provided in the inner chamber. The door is fitted with heavy cast chromium plated hinges and a spring type automatic roller to and fro latch.

The temperature is controlled with a precision thermostat. The inner chamber is heated with the help of coil heaters placed at the bottom with a three point control switch (Rotary Switch) for low, medium and high wattage.

The temperature control knob is graduated. Wattage control knob is marked OFF, LOW, MEDIUM and HIGH. The control panel is mounted directly below the door. The neon



HS100.105

pilot lights are provided which indicate control cycles as well as mains.

Complete with adjustable shutters for ventilation near the top, shelves, wire and plug but without thermometer. Suitable for operation on 220 V, 50Hz, single phase supply.

Cat. No.	Dimensions(mm)
HL100.101	300 x 300 x 300
HL100.102	355 x 355 x 355
HL100.103	455 x 455 x 455
HL100.104	455 x 605 x 455
HL100.105	605 x 605 x 605
HL100.106	910 x 605 x 455
HL100.107	910 x 605 x 605

(Air circulating fan can also be fitted in each size, if required, at an extra cost)

Cat. No.	Dimensions(mm)
HL100.201	300 x 300 x 300
HL100.202	355 x 355 x 355
HL100.203	455 x 455 x 455
HL100.204	455 x 605 x 455
HL100.205	605 x 605 x 605
HL100.206	910 x 605 x 455
HL100.207	910 x 605 x 605

(Air circulating fan can also be fitted in each size, if required, at an extra cost)

UNIVERSAL ELECTRIC OVEN

This is also a double walled oven with the inside made of thick anodised aluminium or stainless steel. Outside is mild steel finished in white enamel. The gap between the inside and outside is 75 mm and is filled with pure glass wool. The heating elements are placed in the ribs at bottom and sides. Adjustable air ventilators are provided near the top on the sides. A built in horizontal thermometer-250° is provided as standard.

A precision thermostat control the temperature from ambient to 250° C with $\pm 1^\circ\text{C}$ sensitivity. The perforated shelves are adjustable at any level. On the electrical control panel are mounted a thermostat, two pilot lights and a three heat switch. Provision is therefore fitting an automatic timer, if required, at extra cost. Cord and

plug supplied as standard. Suitable for operation on 220/230 V, 50 Hz, A.C.

Cat. No.	Dimensions(mm)
HL100.301	405 x 265 x 275
HL100.302	405 x 405 x 355
HL100.303	300 x 300 x 300
HL100.304	355 x 355 x 355
HL100.305	455 x 455 x 455
HL100.306	455 x 605 x 455
HL100.307	605 x 605 x 605
HL100.308	605 x 910 x 455
HL100.309	605 x 910 x 605

(Air circulating fan can also be fitted in each size, if required, at an extra cost)

Cat. No.	Dimensions(mm)
HL100.401	405 x 265 x 275
HL100.402	405 x 405 x 355
HL100.403	300 x 300 x 300
HL100.404	355 x 355 x 355
HL100.405	455 x 455 x 455
HL100.406	455 x 605 x 455
HL100.407	605 x 605 x 605
HL100.408	605 x 910 x 455
HL100.449	605 x 910 x 605

(Air circulating fan can also be fitted in each size, if required, at an extra cost)