



Email : sales@laboratoryinstrumentindia.com

Product Name :
Laboratory Universal Heating Oven

Product Code :
LBNY-0001-800019



Description :

Laboratory Universal Heating Oven

Technical Specification :

Laboratory Universal heating oven

Forced air circulation oven used for drying

Air exchange rates and air flap position is controlled electronically at the Controller.

Easy programming of temperature and air exchange rates with the software.

Sufficient Inlet and outlet openings in order to increase air exchange to reduced drying times

Controllable ventilation speed for various applications.

Fresh air is fed through a pre-heating chamber and introduced into the working chamber to prevent temperature deviations.

Material and Construction

Interior:

Stainless steel, material (ASTM 304), with all-round deep-drawn ribs to integrate the large-area heating with ceramic-metal sheath

Gastight interior

Volume: 250-270/9.0 L

Width: 630-660 mm

Height: 750-850 mm

Depth: 450-550 mm (less 40 mm/1.6 in for fan)

Number of Stainless steel grids: 9

Max. load per grid: 25-35 kg

Max. load of chamber: 250-350kg

Exterior/Housing: Textured stainless steel, rear zinc-plated steel, intuitively operated single display

Width: 800-850 mm

Height: 1150-1200 mm

Depth: 650-700 mm

Net weight: 80 to 110kg

Fresh air: Admixture of pre-heated fresh air by electronically adjustable air flap

Working-temperature range: at least 5°C above ambient temperature to +300°C

Setting temperature range: +20 to +300 °C

Setting accuracy: up to 99.9 °C: 0.1 / from 100 °C: 0.5"

Configuration

Forced air circulation oven with USB and LAN Interfaces.

Full-sight glass door (4 insulating glass),

Fresh-air filter (filtration efficiency 80 %) mounted at the bottom.

Interior lighting (10 to 20 W),

Gas inlet/outlet through 2 tubes with ball valves. Entry port, 20 to 25 mm clear diameter, for introducing connections at the side is closed by flap at left centre top,

Entry port 50 to 65 mm clear diameter is closed by flap at the back centre top.

Current loop interface (0 to +310 °C, 4 – 20 mA):

Temperature controller actual value

Temperature of a Pt100 sensor positioned flexibly in chamber

Accessories

Stainless steel slide-in drip tray, 12 to 20 mm rim.

Ambient operating temperature 4–55 °C

Humidity Electrical 220 ±10 ACV, 50 Hz



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