



OVEN - small, digital control & fan

Cat: CH2251-001 240V.AC. 600W Digital display & fan circulated

DESCRIPTION: The IEC DIGITAL 'Student Oven' has fan circulation & electronic digital temperature control. It is a low cost, general purpose laboratory oven with enamelled steel exterior and stainless steel interior with two shelves. The door is fitted with a high temperature silicone rubber seal and a simple and effective door catch. Stainless steel is high grade 316 and the insulation and lagging used is NOT asbestos.

Oven temperature is controlled by a digital electronic system with a range of 30°C to 150°C +/-1°C. For close temperature control, the air inside the oven is circulated by a fan. Indicator LEDs monitor 'Power On' and 'Heater Cycling'. The 600 watt heating element is visible in the base of the oven but is protected from touching by a perforated protection plate. Oven is complete with removable 3 core flex and plug.

CH2251-001 student digital oven with fan



Exterior: 310x330x435mm LxWxH Interior 250x250x250mm Wt: 15 kg

Power: 220-240V.AC. 50/60Hz. 3 AMPS.



Accuracy: +/- 1°C. Typical at 100°C

+/- 1.5°C. Typical at 150°C



NOTE for safety testers::

The heating element is the 'tubular sheathed' type and, when the oven is tested on a normal 'Electrical Safety Tester', the leakage to earth may indicate to be excessive. This type of heating element can absorb atmospheric air with slight moisture and this causes the low reading. When turned on, the moisture is driven out by the heat of the element and the leakage resistance to earth increases to beyond 1Megohm.

The electrical regulations state that the insulation resistance of a sheathed element must exceed 10,000 ohms to earth.

Refer AS/NZS 3000:2000 Para 1.11.2.3

CONTROLS & OPERATION:

Simple front panel controls are the ON/OFF switch and temperature setting knob.

- When the "TEMP SET" knob is rotated, the display indicates your selected temperature. After the knob has been rotated and left undisturbed for a short time, the display will indicate the temperature inside the oven. The resolution is 0.1°C up to 99.9°C. At 100°C and over, the resolution is 1°C.
- The "HEATING" LED will be ON when the heating element is ON. It will go OFF when the selected temperature is reached and will blink on/off as the selected temperature is approached and maintained.
- When the "TEMP SET" knob is rotated to the OFF position, heating stops. The "STANDBY" LED will remain ON to show that mains power is still connected to the oven. If the "POWER" switch is turned OFF, all indicators will be OFF.
- If "POWER" is ON and "TEMP SET" selecting OFF, the temperature display will show "hot" if the oven temperature is above 60°C. The display will be blank when the oven temperature falls below 60°C.

Designed and manufactured in Australia