

# COMPACT OVEN & COMPACT INCUBATOR

Professional natural air convection oven and incubator for small scale thermostatic applications. Manufactured according to the standards: Class 2, DIN 12880.

## CONSTRUCTION FEATURES:

- External structure in steel coated in epoxy anti-acid paint;
- Inner structure in stainless steel with rounded corners;
- Double insulation door with silicone seal to prevent heat loss;
- Thermal insulation with mineral fibre;
- Digital display P.I.D. Thermostat with programmer, Autotuning function;
- For further protection the oven is equipped with visual alarm security thermostat (range from +50°C to +280°C for VN) and manual resetting;
- Steel shelves adjustable in height;
- Ventilation opening with manual flow control;
- Heating elements are not in contact with internal chamber but are in an ante-chamber to guarantee uniform heating;
- Illuminated two phase main switch;
- 16-step programmer with software and RS232 communication port;
- Temperature control indicator with digital display;
- Maximum operating capacity: two perspirometers;
- Maximum theoretical capacity: three perspirometers.



MODELLO TB



MODELLO VN

## CARATTERISTICHE TECNICHE MODELLO TB:

- Crystal door for easy inspection for Mod. 80-TB and 20-TB;
- Temperature Range di temperatura da +5°C above room temperature a +80°C;
- Precisione Temperatura:  $\pm 0,5^\circ\text{C}$  a  $+37^\circ$ ;
- Display Precision  $\pm 0,1^\circ\text{C}$ ;

## CARATTERISTICHE TECNICHE MODELLO VN:

- Temperature Range from +5°C above room temperature +200°C;
- Temperature Range:  $\pm 1^\circ\text{C}$  a  $+105^\circ\text{C}$ ;
- Display Precision  $\pm 1^\circ\text{C}$ ;

MODELS	8-VN	20-VN	8-TB	20-TB
<b>INTERNAL DIMENSIONS</b>				
Volume (nominal)	8	20	8	20
Width X Depth X Height mm.	208 X 202 X 220	285 X 252 X 285	208 X 202 X 220	285 X 252 X 285e
<b>EXTERNAL DIMENSIONS</b>				
Width X Depth X Height mm.	465 X 330 X 370	550 X 380 X 433	465 X 330 X 370	550 X 380 X 433
Temperature	Display digitale			
Shelves Included	1	1	1	1
Power W – Power Supply V	240W – 230V	400W – 230V	120W – 230V	200W – 230V
Weight kg	16	22	16	22

The incubator stove is also used to carry out color fastness tests in different conditions and under the action of agents such as acid and alkaline sweat, water and sea water, yellowing to phenols etc.

The perspirometer, with the samples, is inserted inside the incubator stove for a time and at a temperature default. During this test the sample undergoes a fading, discharging part of the color on the multifibre fabric.