



Universal precision ovens "Digitronic"

FAN ASSISTED CIRCULATION.
BACTERIOLOGICAL ASSAYS, DRYING PROCESSES AND STERILISATION.
MICROPROCESSOR CONTROL AND DIGITAL DISPLAY OF TEMPERATURE AND TIME.
ADJUSTABLE TEMPERATURES FROM AMBIENT +5 °C UP TO 250 °C.
STABILITY: ±0.25 °C. HOMOGENEITY: ±2% OF THE WORKING TEMPERATURE.
SET ERROR: ±2% OF THE WORKING TEMPERATURE. RESOLUTION: 1 °C.

2000
serie

SAFETY:

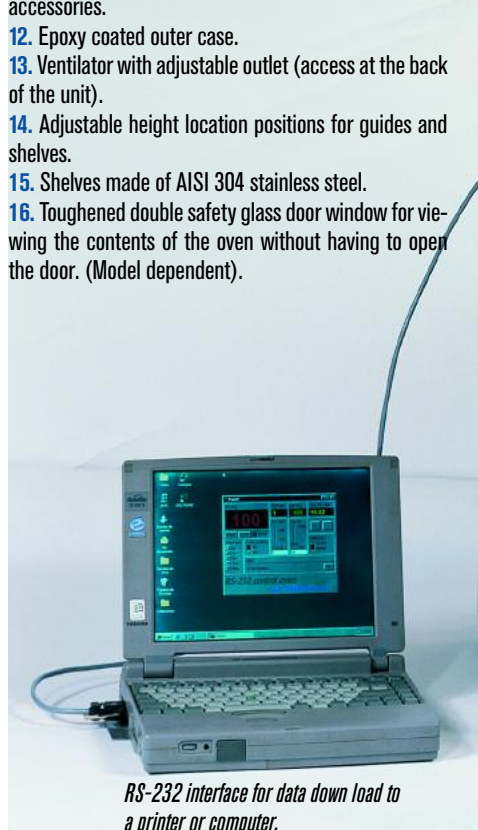
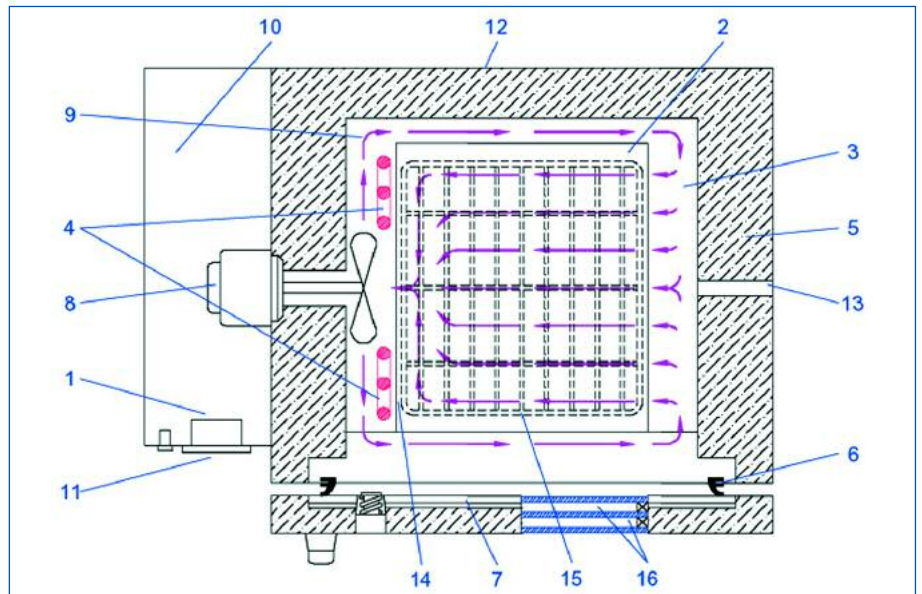
EN.61012 STANDARD OVER TEMPERATURE SAFETY CUT OUT FITTED.
ADJUSTABLE OVER TEMPERATURE SAFETY THERMOSTAT DIN 12.880.2 (CLASS 2 AND 3.1) FITTED.

Multipurpose oven. Fast response and recuperation of temperature.

FEATURES

1. Microprocessor control with Digital display of temperature with pre-set programmable run time and pre-stable temperature monitoring using a Pt 100 sensor probe.
2. Inner chamber made of AISI 304 stainless steel.
3. Pre-mixing chamber made of AISI 304 stainless steel.
4. Homogeneously distributed shielded heating elements with complete air circulation throughout.
5. Low exterior temperature due to excellent thermal insulation.
6. Flexible silicon door gasket around the entrance of the chamber.
7. Excellent door seal due to the floating inner door that absorbs and adjusts for thermal expansion.
8. Turbo fan made of AISI 304 stainless steel that circulates the air to the working temperature.
9. Diagram showing the air flow from the pre-mixing chamber around the heating elements prior to entry to the oven chamber.
10. Independent insulated control box.
11. Control panel with additional locations for mounting accessories.
12. Epoxy coated outer case.
13. Ventilator with adjustable outlet (access at the back of the unit).
14. Adjustable height location positions for guides and shelves.
15. Shelves made of AISI 304 stainless steel.
16. Toughened double safety glass door window for viewing the contents of the oven without having to open the door. (Model dependent).

CONTROL PANEL, SAFETY, STANDARD AND ACCESSORIES (see pages 124 and 125).



RS-232 interface for data down load to a printer or computer.

Model Digitronic with solid metal door. Part No. 2005131 and 2005141. (With toughened glass window door. Part No. 2005132 and 2005142).





Model Digitronic type Poupinel, door with toughened double glass window Part No. 2005152 and 2005162.



Model Digitronic type Poupinel, Part No. 2005151 and 2005161.

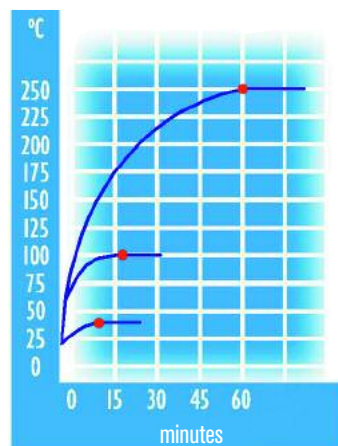
STANDARD EQUIPMENT

2 shelves and 4 shelf guides.

MODELS

Part No.	Capacity litres	Door Type	Heating rate to 100 °C minutes	Recovery time* minutes	Complete air exchange per hour	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Shelf Positions	Power W	Weight Kg
2005131	33	metal	15	7	16	40 28 30	60 65 55	7	1200	38
2005132	33	glass	15	7	16	40 28 30	60 65 55	7	1200	40
2005151	47	metal	16	7	16	33 45 32	53 81 58	5	1200	46
2005152	47	glass	16	7	16	33 45 32	53 81 58	5	1200	50
2005141	76	metal	17	9	14	50 38 40	70 75 65	8	1600	58
2005142	76	glass	17	9	14	50 38 40	70 75 65	8	1600	64
2005161	145	metal	17	10	12	50 58 50	70 95 72	8	2000	74
2005162	145	glass	17	10	12	50 58 50	70 95 72	8	2000	79

* Recovery time, the door was opened for 1 minute, time taken to recover to the set temperature of 100 °C.



Performance graph of temperature and time.

- Set at 250 °C: 60'.
- Set at 100 °C: 18'.
- Set at 37 °C: 12'.

Note: The stability and homogeneity curves for time and temperature shown on the graph apply to models that have a metal door.

SPARES

Shelves and guides.

Oven Part No.	2005131 2005132	2005151 2005152	2005141 2005142	2005161 2005162
Guides (2) (Set)	2000012	2000033	2000013	2000015
Shelves	2000072	2000073	2000074	2000075

Each self requires two guides i.e. one set.

ACCESSORIES

Accessories must be factory installed.



Part No.

2000016 Digital printer for time and temperature with numerical printout on continuous paper roll, with print intervals from 1 minute to 99 hours.



2000007 Digital programmable microprocessor. Capacity: 10 programs of 100 segments. Programmable timer: up to 99 hours 59' 59". Program repetition: up to 99 times. Programs can also be linked for up to 4 stages. RS-232 interface for data down load to a printer or computer.