

Technical datasheet

Precision Programmable Laboratory Oven Series

Programmable forced-air ovens for laboratory drying and thermal processing, with 65-452 L chambers and motorized airflow adjustment.



Image shows PT-OVN-037. Other models differ in dimensions.

Key features

- 10-segment, 100-cycle programming
- Six fan speeds and motorized air damper
- Dual overtemperature alarms and RS-485 interface

Standard Configuration

Programmable controller with backlit touch keys, six-speed fan, motorized air damper, preheating chamber, slide-out shelves, dual-stage door lock and one RS-485 interface. Overtemperature protection uses the temperature sensor system and an independent temperature switch.

Optional Accessories

Inlet and exhaust air filters, extra shelves, printer, monitoring software and GPRS alarm messaging are optional. Confirm compatibility and scope in the quotation. No software compliance or validation service is included by default.

Technical Information

Parameter	Value
Temperature range	Ambient +5 to 300 °C
Temperature resolution	0.1 °C
Timer range	0-9999 min/h
Load per shelf	25 kg
Electrical supply	220 V $\pm$ 10 V / 50-60 Hz
Delayed-start range	0-9999 min
Temperature uniformity (Ambient +5 to 105 °C)	$\pm$ 1%
Temperature uniformity (105-300 °C)	$\pm$ 2%

Technical Information

Model	Chamber volume (L)	Input power (W)	Shelves: supplied / maximum
PT-OVN-037	65	1560	2/5
PT-OVN-038	130	2160	2/7
PT-OVN-039	210	2760	3/7
PT-OVN-040	284	2760	3/9
PT-OVN-041	452	3500	4/13

Model	Temperature fluctuation (150 °C)	Time to 150 °C (min)
PT-OVN-037	±0.3 °C	17
PT-OVN-038	±0.3 °C	20
PT-OVN-039	±0.5 °C	20
PT-OVN-040	±0.5 °C	20
PT-OVN-041	±0.5 °C	22

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-OVN-037	410 × 350 × 450	555 × 566 × 722
PT-OVN-038	570 × 400 × 570	715 × 616 × 842
PT-OVN-039	630 × 530 × 630	775 × 746 × 902
PT-OVN-040	720 × 530 × 745	865 × 746 × 1019
PT-OVN-041	600 × 580 × 1300	774 × 845 × 1704

Selection / Ordering Information

Specify the model, sample or application, working temperature and required shelf arrangement. Confirm electrical supply and the final configuration before ordering.