

Technical datasheet

Benchtop Thermal Aging Ovens - 300 °C

Programmable chambers for thermal aging and temperature exposure, with ambient +5 to 300 °C settings, six fan speeds and model-specific chamber sizes.



Representative exterior; dimensions and shelf configuration follow the selected model.

Key features

Six selectable fan speeds

10-segment programs with 100 cycles

Temperature-sensor and independent thermostat alarms

Standard Configuration

LCD temperature/status display, six fan speeds, 10-segment/100-cycle programming, delayed start, sensor-based overtemperature alarm and an independent thermostat. Preheating chamber, sliding shelves and one RS-485 interface are included. Motor-adjusted air damper, rounded chamber corners, reinforced shelves and a two-stage rotary door latch.

Optional Accessories

UV lamp and inlet/outlet air filters are optional. An external printer or remote alarm/monitoring/control service requires a separately confirmed selection and availability; these are not supplied together as standard. Confirm filter testing, software, validation, accessories and final delivery in the quotation.

Technical Information

Parameter	Value
Temperature range	Ambient +5 to 300 °C
Program segments / cycles	10 / 100
Temperature resolution	0.1 °C
Timer range	0-9999 min/h
Electrical supply	220 V $\pm$ 10 V / 50 / 60 Hz
Listed uniformity: ambient +5 to 105 °C	$\pm$ 1%
Listed uniformity: 105 to 300 °C	$\pm$ 2%
Listed shelf load	25 kg

Model	Chamber volume (L)	Input power (W)
PT-ENV-053	65	1560
PT-ENV-050	130	2160
PT-ENV-054	210	2760
PT-ENV-051	284	2760

Model	Temperature fluctuation at 150 °C
PT-ENV-053	$\pm$ 0.3 °C
PT-ENV-050	$\pm$ 0.3 °C
PT-ENV-054	$\pm$ 0.5 °C
PT-ENV-051	$\pm$ 0.5 °C

Technical Information

Model	Chamber dimensions (mm)	External dimensions (mm)
PT-ENV-053	410 × 350 × 450	555 × 566 × 722
PT-ENV-050	570 × 400 × 570	715 × 616 × 842
PT-ENV-054	630 × 530 × 630	775 × 746 × 902
PT-ENV-051	720 × 530 × 745	865 × 746 × 1019

Model	Shelves: supplied / maximum
PT-ENV-053	2/5
PT-ENV-050	2/7
PT-ENV-054	3/7
PT-ENV-051	3/9

Selection / Ordering Information

Specify the PRECETTA model, sample, working temperature, shelf load and required options. Confirm mains supply, installation, thermal test conditions and delivery before ordering.