

TXL-GEN-003 / 27 October 2026 · One-year manufacturer warranty

Laboratory Drying Oven

Laboratory drying oven. Ambient +5 °C to 250 °C for oven and steriliser models, ambient +5 °C to 80 °C for incubator models. A functional device that meets the basic needs of every textile laboratory, offering regular and flexible operation capabilities.



Model technical data

1	Models: oven-steriliser, fan-assisted oven-steriliser, fan-assisted oven with adjustable fan speed, and incubator.
2	Internal volume options: 400×400×350 mm and 600×480×420 mm.
3	Temperature range for oven and steriliser models: ambient +5 °C – 250 °C.
4	Temperature range for incubator models: ambient +5 °C – 80 °C.
5	Programmable PID microprocessor control system with digital display.
6	Inner chamber in stainless steel, resistant to chemicals.
7	Applications: specimen heating and drying, sterilisation, microbiological incubation and controlled heating.

Physical specifications and utilities

Electrical supply	Approx. 220–240 V AC, 50/60 Hz, single phase; build-dependent.
Power / connected load	Approx. 1000–3000 W connected load for preliminary planning.
Overall instrument dimensions	Approx. 700 × 650 × 900 mm (W × D × H).
Instrument weight	Approx. 50–100 kg net.
Gross / shipping weight	Approx. 80–150 kg gross; estimated packing allowance.
Lab requirements	Heat-resistant bench and ventilation; clearance for hot surfaces.

Dimension order and approximate values are stated in each row. Packaging data are separate from instrument dimensions and net mass. Approx. rows are preliminary engineering estimates based on comparable equipment and function/capacity; they are not verified manufacturing measurements or standard requirements. Installation and shipment are finalised against the approved drawing and nameplate. Estimate scope: base product / one unit; external computer, bench and auxiliary plant excluded.

Specifications, dimensions, and power requirements are approximate and subject to change without prior notice for continuous design improvements.

Product technical specifications and images may vary according to manufacturing conditions and applicable standards.

Test and configuration

Measured output / function	Drying and specimen preparation at controlled temperature
Parameters selected for the method	Working temperature, time, load and air circulation
Verification points	Temperature uniformity and stability in the working volume

Control and recording specification

Method-specific software and recording requirements follow. Delivered software modules are defined by the order scope.

- Method code and edition, specimen ID, operator and selected test parameters are linked to the record.
- The calculation and endpoint are defined by the selected method edition; instrument signals and operator assessments are kept distinct.
- Raw measurements, units, valid/invalid test flags and the reported result remain traceable.
- Calculations are checked against known inputs and an independent calculation; sensor channels are checked against calibration values.

Related test methods

-

Listed methods are application references. Suitability is established by assessing hardware, method edition and calibration together.