

TLD Annealing Oven

TLD Heat



Reliable and accurate

The TLD annealing oven TLD Heat has specially been developed for thermoluminescent dosimetry. It is used for the annealing of TLDs before irradiation and for preheating after irradiation and before reading by a TLD reader.

The stainless steel heating chamber with air circulation is characterized by its excellent temperature uniformity. Reproducible heating and cooling cycles are essential for thermoluminescent dosimeters to maintain constant sensitivity and low background readings.

Easy to use and versatile

TLD Heat is suitable for annealing of all typical TLD elements like chips, discs and rods. It is supplied with a stainless steel annealing tray and an aluminum cooling block for rapid cooling. It has a PC interface and Win software for easy and flexible programming and saving of any required heating profile for preheat and anneal of TLD material to a maximum temperature of 400°C.

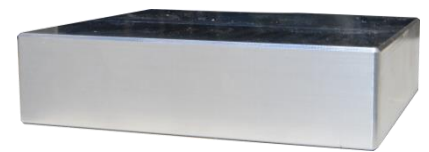
Technical Specifications

Type	TLD Heat
Door	swing door hinged on the left
Heating	side heating with horizontal air circulation
Cooling	exhaust air flap
Housing material	stainless steel
Chamber material	stainless steel
Insulation	ceramic fibre
Temperature	max 400°C
Controller accuracy	± 1 K
Heating rate max	ca. 25 K / min
Cooling rate max	ca. 20 K / min
Capacity (one cycle)	3 annealing trays
Heating profiles	Free programmable by oven software
PC Interface	USB
Voltage	115 V or 230 V
Power	1.5 kW
Chamber size	95 mm x 90 mm x 105 mm (H x D x W)
Dimensions	430 mm x 410 mm x 300 mm (H x D x W)
Scope of delivery	TLD Heat, Windows based oven software Thermosoft, RS485 to USB adapter with cable, 1 annealing tray, 1 cooling block
Weight	ca. 22 Kg (net); 35 kg (gross)

Accessories



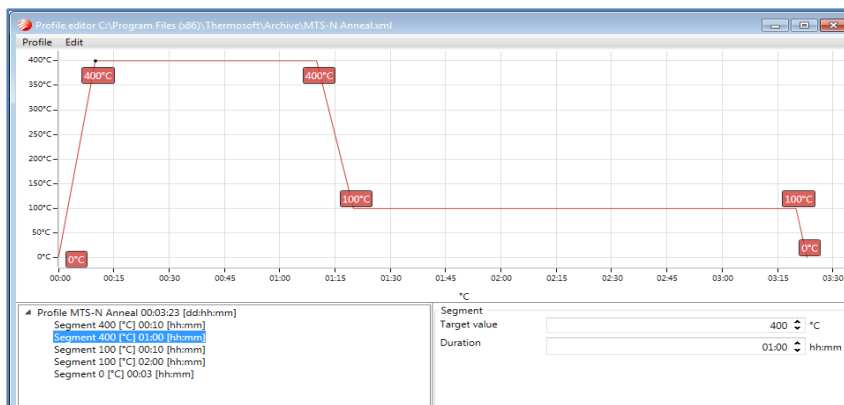
Annealing tray for 120 TLD elements, stainless steel with cover



Aluminum cooling block for rapid cooling of annealing tray



Vacuum tweezers incl. vacuum pump (115-230 V, 50-60 Hz)



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Oven control software Thermosoft

Definition of a Heating Profile

All information in this brochure is subject to technical changes without notice.

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