

TLDO Annealing Oven



Preheating and annealing oven with two standard programs; Programmable via an RS232 interface with THELDO software

Features

- ▶ Microprocessor-controlled oven for precise and reproducible heating of TL detectors
- ▶ Suitable especially for TL chips, rods and films (ribbons)
- ▶ Includes two standard temperature programs for preheating and annealing
- ▶ Arbitrary temperature levels based on both standard profiles are programmable by optional software

The TLDO annealing oven is designed for very precise and reproducible temperature treatment of TLD material. Before irradiating, the TL detectors are heated according to the 7 segment annealing program, and before reading they are heated according to the 5 segment preheating program. During the heating cycle, the hot air stream is circulated by a built-in fan to ensure equal temperature distribution throughout the oven volume. Even the cooling phase is temperature controlled. A digital display shows the actual temperature, and built-in lamps indicate the program progress. The standard oven is supplied with an RS232 interface. The optional THELDO software makes it possible to program any temperature profile based on both basic temperature cycles. In case of failure, a safety circuit prevents heating to temperatures above 450 °C (840°F).

Ordering Information

T1321/U100 TLDO annealing oven, 230 V

T1321/U200 TLDO annealing oven, 115 V

Options

S150002 THELDO Software

T1321/U10 Steel annealing tray, 50 recesses

T1321/U11 Steel annealing tray, 120 recesses,
cover plate