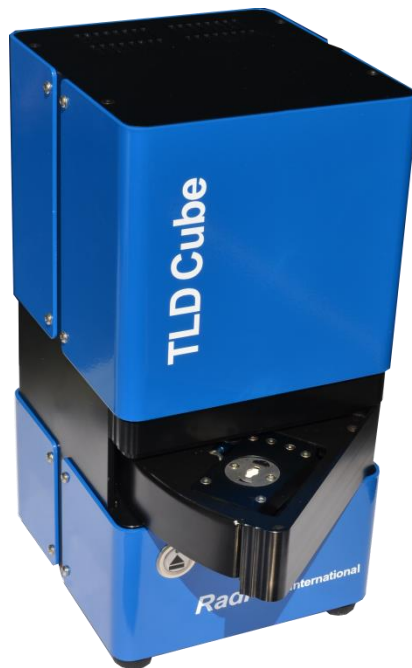


...Radiation Protection for the Radiation Professionals...

Manual TLD Reader TLD Cube

**More
than
just
blue**



Versatile and user friendly

TLD Cube is a small, lightweight and portable TLD Reader for measuring, analyzing and evaluating of thermoluminescent materials. Modern design and software combine easy operation and excellent performance in this newly developed reader. The ceramic heater with defined nitrogen cooling in the rotating drawer accepts all standard TLD shapes.

TLD Cube is available in two versions as TLD Cube 400 with heating capability up to 400°C and as TLD Cube 600 which provides heating capabilities up to 600°C.

The software includes calibration and QA features, data storage and export options as xml file or Excel file to meet all typical requirements.

Applications

- Radiation protection
- Medical dosimetry
- Experimental physics
- Environmental research
- Personnel Dosimetry
- Checking irradiated food

Technical Specifications

Heater	Ceramic contact heater with cooling function
Base Plate	Stainless steel, exchangeable
Base Plate types	Chip 3.2 mm x 3.2 mm, Rod 1 mm x 6 mm, Disc Ø 4.5 mm, Multi-Purpose Ø 10 mm
Powder Dish	Inner Ø 8 mm for use with Multi-Purpose Base Plate
Linear heating ramps	Adjustable up to 20 K/s (20°C to 400°C) 10 K/s (400°C to 600°C)
Heating program	Multi-step program, adjustable temperatures +/- 1 K
Regions of Interest	Up to 10 ROI, adjustable
Max. heater temperature	400°C (TLD Cube 400) 600°C (TLD Cube 600)
Readout time	Freely adjustable
Accuracy	± 1 % S.D. (for multiple readout)
Stability	Better than ± 1 % during 8 h operation
Test light	Stability < 0.5 %, colour blue
Data output	LAN to PC
Measurement range	7 decades
Signal processing	24 bit, full digital evaluation system
Neutral Density Filter	Exchangeable
Power supply voltage	100 – 240 V, 50 - 60 Hz
Power consumption	200 VA
Shielding and cooling gas	Nitrogen, approx. 300 ml / measurement
Software	State-of-the-art Windows software with full calibration and export functions
Dimension approx.	145 mm x 162 mm x 284 mm (W x D x H)
Weight approx.	5.5 kg
Carrying Case approx.	50 cm x 25 cm x 25 cm, 11 kg (incl. reader)

Accessories



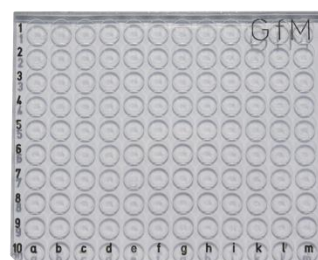
N₂ gas pressure reducer, metric



Programmable TLD Oven



Vacuum Tweezers
incl. Vacuum Pump



Storage dish for 120 TLD
elements

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

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