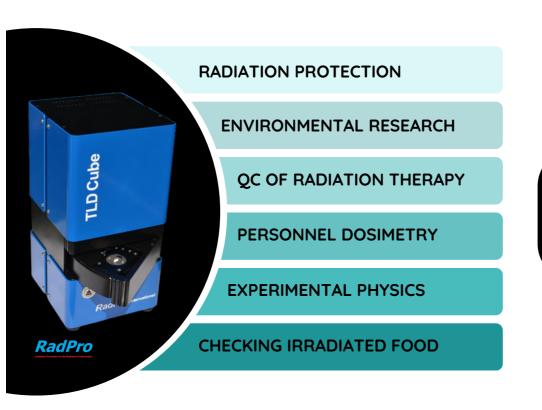# TLD CUBE

Manual TLD reader for loose TL material

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 purging 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 700 which provides heating capabilities up to 700°C.
The software includes calibration and QA features, data storage and export options as xml file or Excel file to meet all typical requirements.

- RADIATION PROTECTION
- ENVIRONMENTAL RESEARCH
- QC OF RADIATION THERAPY
- PERSONNEL DOSIMETRY
- EXPERIMENTAL PHYSICS
- CHECKING IRRADIATED FOOD

RadPro

CONTACT US

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TLD CUBE

www.dosimetrie-expert.com

SPECIFICATIONS

HEATER	State-of-the-art ceramic contact heater with thermocouple
MEASURING CHAMBER	Sealed chamber, with circulation pump and cooling function
BASE PLATE	Stainless steel, exchangeable
BASE PLATE TYPES	Chip 3.2 mm x 3,2 mm, Rod 1mm x 6mm, Disc Ø 4,5mm, Multi-Purpose Ø 10mm
POWDER DISH	Inner Ø 8mm, outer Ø 10mm
CAPACITY	1 sample per loading
LINEAR HEATING RAMPS	Adjustable up to 20 K/s
HEATING PROGRAM	Multi-step program, adjustable temperatures +/- 1K
MAX. HEATER TEMPERATURE	400°C (TLD Cube 400) 700°C (TLD Cube 700)
READOUT TIME	Freely adjustable
ACCURACY	1% S.D. (For multiple readout)
STABILITY	Better than 1% during 8h operation
TEST LIGHT	Stabilized LED, stability 1%, colour blue
DETECTOR	PMT 230-700 nm with thermoelectric temperature stabilization
DATA OUTPUT	LAN to PC
MEASUREMENT RANGE	7 decades
SIGNAL PROCESSING	24 bit, full digital evaluation system
OPTICAL FILTERS	KG3 + BG 25, exchangeable, optional neutral density filter addable
POWER SUPPLY VOLTAGE	100 - 240 V, 50-60 Hz
POWER CONSUMPTION	200 VA
SHIELDING & COOLING GAS	Nitrogen, approx. 300 ml / measurement
SOFTWARE	State-of-the-art Windows software with full calibration and export functions
DIMENSION APPROX.	15 cm x 15 cm x 29 cm (W x D x H)
WEIGHT APPROX.	6.7 kg
CARRYING CASE APPROX.	48 cm x 24 cm x 22 cm, 12 kg (incl. reader)

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

MADE IN GERMANY