

Table Top Irradiator IR-200



Compact and versatile

The TLD Irradiator IR-200 is a multi-purpose irradiation system with automatic drawer. The device requires only little space on the table. It is used for calibration purposes of TLD elements or TLD cards.

Different carrier discs are available for the irradiation of different TLD elements like rods, chips and discs, as well for Aluminum TLD cards and TLD Slides type RADOS. The irradiation value is defined by the number of carrier disc revolutions.

Beta Source

The IR-200 contains a $^{90}\text{Sr}/^{90}\text{Y}$ radiation source with an activity of 33 MBq.

Technical Specifications

Type	IR-200
Capacity	50 TLD Elements or 6 Aluminium TLD cards or 7 TLD Slides type Rados other detectors on request
Source	$^{90}\text{Sr}/^{90}\text{Y}$
Nominal source activity	33 MBq (0.9 mCi)
Dose / revolution	ca. 0.3 mGy equivalent gamma dose
Rotation speed	ca. 2 revolutions / min
Max revolutions	1000
Reproducibility	< 2 %
Surface dose rate	< 5 $\mu\text{Sv/h}$
Voltage	85 – 264V / 47 - 440Hz
Fuse	1A (delayed)
Dimensions	220 mm x 195 mm x 350 mm (WxHxD) ca. 460 mm x 460 mm x 500 mm (packed)
Weight	ca. 9.5 kg ca. 15 kg including packing

Accessories



Carrier disc for TLD chips and TLD discs



Carrier disc for Aluminium TLD Cards



Carrier disc for RADOS TLD Card Slides

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

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