

Table Top Irradiator IR-200



Compact and versatile

The TLD Irradiator IR-200 is a multi-purpose irradiation system. 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 TLD cards type "Harshaw" 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	150301 / 0000
Capacity	50 chips or discs or rods (combi-disc) or 5 TLD cards type "Harshaw" or 7 TLD Slides type "Rados"
Source	$^{90}\text{Sr}/^{90}\text{Y}$
Nominal source activity	33 MBq (0.9 mCi)
Dose / revolution	ca. 40 μGy equivalent gamma dose
Rotation speed	ca. 1 revolution / min (50 Hz) ca. 1.2 revolutions / min (60 Hz)
Max irradiation factor	$10^6 - 1$
Reproducibility	< 1 μGy
Surface dose rate	< 5 $\mu\text{Sv/h}$
Voltage	85 – 264V / 50 - 60Hz
Fuse	1.6A (delayed)
Dimensions	360 mm x 150 mm x 365 mm (WxHxD)
Weight	ca. 9.5 Kg

Accessories



Carrier disc for TLD Elements



Carrier disc for TLD cards type „Harshaw“



Carrier disc for TLD cards type „Rados“

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

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