

IR-200

multi purpose tabletop irradiator

Compact and versatile

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

Different carrier discs are available for the irradiation of different TLD elements like rods, chips and discs, as well for various OSL and TLD cards. Customized carrier discs are available on request. 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.

RadPro

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



IR-200

multi purpose tabletop irradiator

Specifications

Capacity	50 TLD Elements or 6 Aluminium TLD cards or 7 TLD Slides type Rados other detectors or cards 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	500
Reproducibility	Better than 2 %
Surface dose rate	< 2 $\mu\text{Sv/h}$ (shutter closed)
Voltage	85 – 264 V / 47 – 440 Hz
Fuse	1 A (delayed)
Dimensions	IR-200: 220 mm x 195 mm x 350 mm Transport case: 530 mm x 300 mm x 270 mm ca. 600 mm x 400 mm x 300 mm (packed)
Weight	IR-200: ca. 9.5 kg Transport case: ca. 6.5 kg ca. 17 kg packed

Related products



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