

## 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.

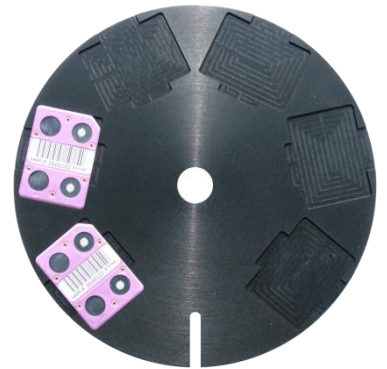
## Technical Specifications

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

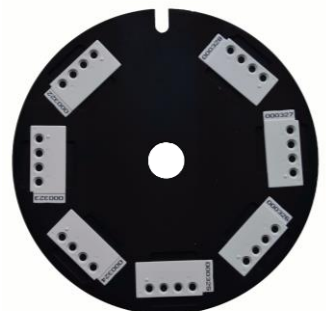
## Accessories



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.

**RadPro** International GmbH  
*...Radiation Protection for the Radiation Professionals...*

Burger Straße 28  
42929 Wermelskirchen  
Germany  
Phone: +49 2196 889803  
Email: [sales@radproint.de](mailto:sales@radproint.de)  
Web: [www.radpro-int.com](http://www.radpro-int.com)

