

## DOSE READER DR 020

In order to easily measure the ionizing irradiation used for the crosslinking of resins or other purposes the dose reader DR020 is the best choice.

With the use of low-energy electron beam equipment it is important to determine the dose distribution as well as the penetration in order to have a reproducible production and to control the given machine parameters.



The advantages of the new developed dose reader DR 020 in general:

- Easy handling, only insert the irradiated foil in the reader and get the value directly in the display in kGy.
- The equipment is small and handy.
- It is possible to choose between German, English and French languages in the menus.
- The measured data can be extracted through a serial port directly to a PC.
- High accuracy and precision of measurements due to correction for the foil thickness and for correction of the thermal deviations of electro-optical component parts of the measuring foil.
- High measurement reproducibility due to precision calibration of the reader.
- Optimised algorithm ensures the result of the dose calculation.

The dose reader DR020 together with the specially developed foil provides the user with a powerful precision tool for control and quality of the process.

---

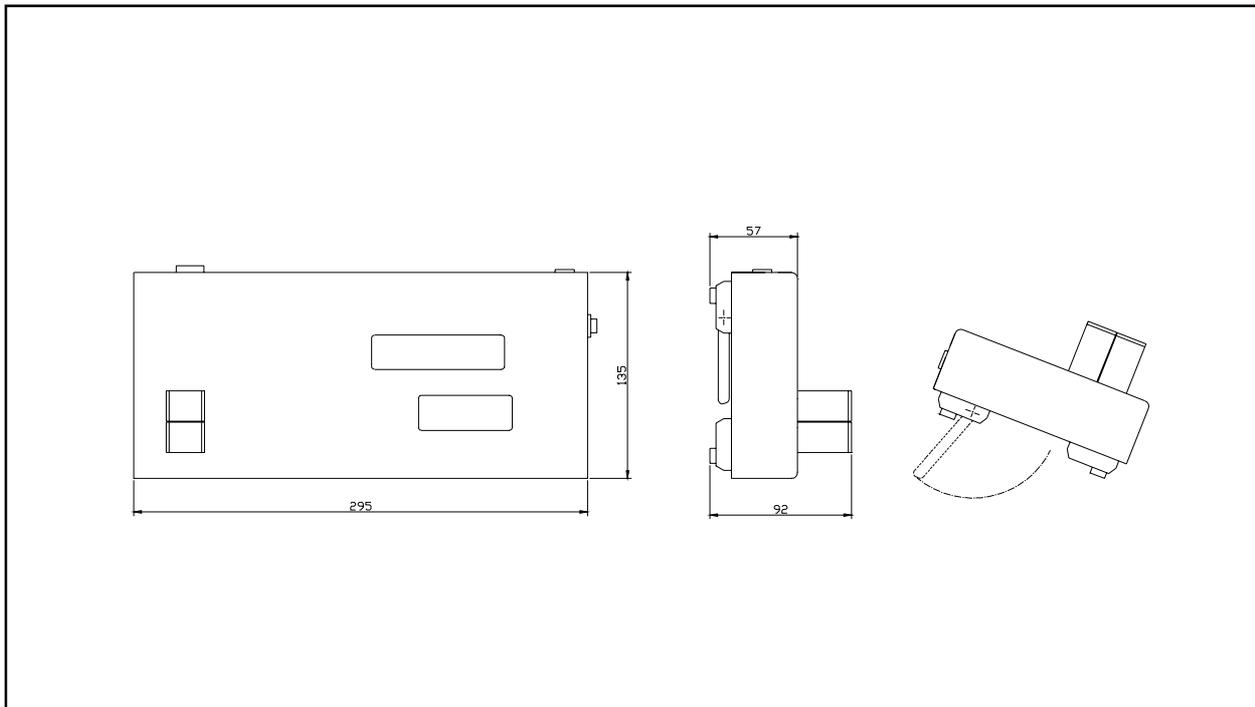
### ELECTRON CROSSLINKING AB

Head office  
Skyttevägen 42  
SE-302 44 Halmstad  
Sweden

Telefon / Phone  
+46 (0)35 15 71 30  
Telefax  
+46 (0)35 14 82 06

Bruhlstraße 7  
DE-72147 Nehren  
Germany

Telefon / Phone  
+49 (0)7473 920 281  
Telefax  
+49 (0)7473 920 282



## The measuring foil

The measuring foil consists of 2 layers:

The real dose measuring foil (thickness approx. 20 mm) and a supporting foil (thickness approx. 50 mm). This thin measuring foil can be used for low voltages and also allows the user to measure the penetration depth by adding foils on top of each other.

The foil is delivered in 20 meters roll.

## Specification

<b>Dimensions:</b>	<b>295 x 135 x 57 mm ( L x W x H )</b> Device stands, retractable for tilting.
<b>Weight:</b>	<b>1,90 kg</b>
<b>Power supply:</b>	<b>External supply, 8 – 12 V DC</b>
<b>Keyboard:</b>	<b>3 mechanical keys covered with keyboard overlay</b>
<b>Display:</b>	<b>Dot matrix display, 20 characters 2 lines</b>
<b>Interface:</b>	<b>Serial interface, data output via null modem cable</b>
<b>Electronics:</b>	<b>Card sized processor with 10 bits A/D-converter</b>



## ELECTRON CROSSLINKING AB

Head office  
Skyttevägen 42  
SE-302 44 Halmstad  
Sweden

Telefon / Phone  
+46 (0)35 15 71 30  
Telefax  
+46 (0)35 14 82 06

Bruhstraße 7  
DE-72147 Nehren  
Germany

Telefon / Phone  
+49 (0)7473 920 281  
Telefax  
+49 (0)7473 920 282