



WELCOME TO LANDAUER DOSIMETRY SERVICES



LANDAUER provides personal dosimetry services. This service is mainly used by staff who are at risk of exposure to ionizing radiation in their day-to-day work.

Our product range includes dosimeters intended for measuring the radiation dose to the body (whole body dosimeter), extremities (arms, hands, legs), fingers (ring) and eyes. Landauer Nordic Holdings AB is certified by the Swedish Radiation Safety Authority (SSM) in accordance with the regulation (SSMFS 2018:9) for these measurement methods. Our laboratory is also accredited by SWEDAC according to ISO/ IEC 17025.

Dosimeters can be ordered either as a subscription or for single measurement occasions. They can be used by only a single person (personal dosimeter) or by multiple individuals (non-personal dosimeter), for workplace measurements or experiments. Non-personal dosimeters can be assigned to a person afterwards for accurate reporting and can therefore be used for, e.g., visitors or other temporary measurements.

A need to measure radiation has been detected...



ORDERING - NO LATER THAN 20 WORKING DAYS BEFORE THE START OF THE MEASUREMENT PERIOD

On our website www.landauer.se there are forms for ordering dosimeters as well as customer contracts for new customers. A completed order form and customer contract must be provided to us at least 20 working days before the start of the desired measurement period. Our contact details can be found at the bottom of the brochure. If you enter your e-mail address, we will send you an order confirmation with the start date for the measurement period and your customer number as soon as we have processed your order. Dosimeters ordered later than 20 working days before the start of the measurement period will be charged with the price for an occasional order.



FASTENERS

The body dosimeter has two different fasteners. One is a crocodile clip that is standard and included in the dosimeter price and delivered mounted to the dosimeter. The second type of fastener is a hanger that is attached with a metal clip. It is ordered and delivered separately for the body dosimeter. For the eye dosimeter, VISION, a separate fastener is not needed. Metal clips are needed for the arm dosimeters, and the wrist dosimeters require a wrist band. These may be retained by the customer. Separate fasteners are sent in a separate shipment and invoiced separately from the dosimeter deliveries.



Whole body dosimeter



Crocodile clips



Hangers



Metal clips



Eye dosimeter (VISION)



Ring dosimeter



Wrist dosimeter

DELIVERY AND USE OF DOSIMETERS

Delivery. Your dosimeters are delivered the week before the start of the measurement period. Subscribers simply replace their old dosimeters with the new ones on the first day of the new measurement period. Users therefore always have a dosimeter to use for a specific period.

Information on the dosimeter. The body, hand, and arm dosimeters are marked with the start and end dates of the measurement period, the user's name, and personal ID number at Landauer, as well as a department and customer number. An image on the label indicates the location of the dosimeter on the body. The **ring dosimeter** specifies the user's surname, as well as the month in which the measurement begins. The hand and arm dosimeters are delivered in a soft plastic shell.



Ring dosimeter

The user. Personal dosimeters must only be used by the person whose name is on the dosimeter. The name is linked in our database to the person's personal identity number and is used when transferring the measured dose to the person's lifetime dose record in the National Dose Register.

Placement. The dosimeter is placed with the label facing outwards inside the lead apron (if the user is wearing one).

Storage. When not in use, the dosimeter should be stored outside the X-ray room/room where the radiation source is located in an environment where the dosimeter is exposed only to background radiation (e.g., the reception area, changing room, dosimeter collection point or where any background dosimeter is stored).

RETURNING THE DOSIMETER – WITHIN 30 CALENDAR DAYS OF THE LAST DAY OF MEASUREMENT

All dosimeters are the property of LANDAUER and must therefore always be returned after each measurement period, regardless of whether they have been used or not been used. The customer is responsible for and pays for the return of the dosimeters. The dosimeter must be returned in a well-sealed padded envelope or package within 30 calendar days of the last day of use. **Dosimeters shall be returned to the following address:**

LANDAUER
Box 16
427 21 Billdal
SWEDEN

DOSE REPORTING

A dose report will be sent to you by post, normally within 3 weeks of receiving your returned dosimeters. It is also available online via Landauer Direct. In addition to dose data, the dose report shows whether any limit value of a personal dosimeter has been exceeded. If all dosimeters for the measurement period have not been returned at the same time, a new version of the dose report is created after the remaining ones have been returned. The new version replaces the previous version. By default, LANDAUER also reports all personal dose equivalents to the National Dose Register free of charge.

