

Official radiation dosimeters: Information for security staff at airports

Dear Sir or Madam,

persons occupationally exposed to radiation are legally obliged to determine and document their radiation exposure (dose). For this purpose, special measuring devices, so-called passive personal dosimeters, are worn at the place of work where radiation may occur. These must be evaluated after exposure by the dosimetry service.

These passive measuring devices do not contain any electronics and therefore cannot be switched off. They therefore continuously record the radiation dose, regardless of whether the source of the radiation is located at a radiation exposed workplace or the dose is caused by an X-ray baggage inspection system.

Unfortunately, it is not possible to distinguish which sources were responsible for the recorded dose. Even the X-ray dose from a hand baggage screening system can falsely increase the evaluation result (official personal dose) considerably. It is therefore essential to avoid any examination of a personal dosimeter in an X-ray baggage screening system.



OSL personal dosimeter



Personal dosimeter for neutrons

Examples of personal dosimeters

We therefore ask you to check personal dosimeters with an alternative method, for example by means of a wipe test.

We hereby declare that our personal dosimeters do not contain any hazardous substances.

If you have any questions, please contact the official German dosimetry service, Mirion Medical GmbH, on +49 89 2555 2553.

Best Regards
Mirion Medical GmbH
Official German dosimetry service