

Albedo Neutron Dosemeter Cases



Dosemeter cases for personal dosimetry of thermal neutrons in use with TLD readers from various suppliers

Features

- ▶ Measure the personal doses from thermal neutron radiation
- ▶ Accommodate thermoluminescent detector cards from various TLD manufacturers

The Albedo neutron dosimeters¹ are used for individual monitoring of personal exposure to thermal neutron radiation. The boron plastic capsules make it possible to measure the thermal neutron backscatter from the body of the wearer and the thermal neutrons from the radiation field. The neutron dose equivalent in the range above 0.03 mSv can be estimated within $\pm 30\%$.

Thermoluminescent detectors in cards are placed in the Albedo dosimetry cases for measurement and then read out by an automatic TLD reader. Four types of Albedo dosimeter cases are available to accommodate the TLD cards of the TLD manufacturers Panasonic, Harshaw/Bicron/Thermo Electron, Vinten and Rados/Alnor.

The opening device is required to open the cases for insertion and removal of the TLD cards. Two types of optional clips with plastic loop are available to attach the cases to the clothing.

¹ The Albedo neutron dosimeters have been developed in co-operation with the Research Center Karlsruhe, Germany.

Ordering Information

L631016 Albedo dosimeter case, Panasonic

L631017 Albedo dosimeter case, Harshaw/Bicron/Thermo

L631091 Albedo dosimeter case, Harshaw/Bicron/Thermo with Al instead of plastic filter

L631018 Albedo dosimeter case, Vinten

L631019 Albedo dosimeter case, Rados/Alnor

T8741 Opening device for Albedo dosimeter cases

Options

L655004 Alligator clip for Albedo cases

L655005 Clip for Albedo cases