

Risø TL / OSL reader

<https://search.labfacilities.wur.nl/SearchDetail.aspx?deviceid=8a2caf4a-8620-448a-94d1-a1b5c5ecdf8a>

Brand

Risø

Type

DA-20



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Organisation

Environmental Sciences

Department

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Description

The Risø TL/OSL reader enables automated measurements of thermoluminescence (TL) and Optically Stimulated Luminescence (OSL) signals. As the measurement system is highly sensitive and includes a reference radiation source, it is widely used for determining radiation doses in natural and artificial materials with applications in geological and archaeological dating, forensic and accident dosimetry, and radiation protection. Several state of the art attachments to the TL/OSL reader allow investigations on luminescence physics in different phosphors/dosimeters.

Applications

Thermoluminescence (TL)

Optically Stimulated Luminescence (OSL)