



Comparing OSL to TLD Dosimeters

If you manage a dosimetry program or wear a dosimeter, you may be wondering what the main differences are between OSL and TLD dosimeters. Let's break it down!

OSL

TLD



Can be re-read



Cannot be re-read



Being able to re-read a dosimeter can save time and money by reducing potential liability, equipment shutdowns, and employee downtime/transfers.

Typically measures down to 1 mrem



Typically only measures down to 10 mrem

Lower limits of detection capture low-dose exposure events to reduce the amount of missed dose in a wear period.

Chronological AND cumulative reporting



Cumulative reporting only



Chronological reporting makes it possible to read a dosimeter immediately in case of suspected over-exposure.



Rugged and durable



Easily damaged



OSL dosimeters are able to withstand high and low temperatures, being dropped, and being submerged. This eliminates the cost of replacing damaged badges.