DOSImetrics

The state-of-the-art BeOSL Product Line measures radiation exposure using optically stimulated luminescence (OSL). The detector material is beryllium oxide (BeO). Other than TLD the dosimeter can be read several times without compromising the dose result. This, for example, enables an operator to archive dosimeters which showed higher doses for subsequent re-analysis. Contrary to the BeOSL Reader, the BeOSL Eraser removes irrevocably all dose information from the dosimeter. Subsequently the dosimeter can be assigned to either the same or a new user.

BeOSL Eraser

KEY FEATURES

- EASY TO LEARN, USE, AND MAINTAIN
- INTERNAL BAR CODE READER FOR THROUGHPUT OPTIMIZATION
- VARIABLE ERASING TIME

BeOSL Eraser

BeOSL Eraser and BeOSL Reader complement one another in every BeOSL System. A well-engineered design, top class components, and manufacturing in Germany ensure millions of readouts without a noticeable down time.

The BeOSL Eraser can be operated either manually or in a cluster in conjunction with a commercially available robot. It is designed to erase 2- and 4-element BeOSL Dosimeters.

The BeOSL Eraser is CE compliant. The BeOSL Eraser is part of a dosimetry system that is PTB type tested (Physikalisch-Technische Bundesanstalt, Braunschweig, Germany) under reference number 23.52 11.01.

As our BeOSL Reader, the BeOSL Eraser automatically extracts the card with the detector elements from the dosimeter assembly and pushes it back after the erasing process. Time-consuming and cost-intensive processes are eliminated from your dosimetry process. Practically the detector elements are permanently protected against environmental influences. Due to the strength of the erasing stimulus, a manually operated BeOSL Eraser can process 90 dosimeters per hour or more.

The operational software - see separate data sheet for details - is extremely intuitive and more than easy to use. The software leads the operator through the entire process with on-screen messages that are supported by self-explanatory pictographs. The same software also controls the BeOSL Reader.

BeOSL Technology is used by leading dosimetry services around the world!

Dosimeter identification: internal bar code reader (Code 128 C)

Erasing time: typically 13 s for a dose of 0,5 mSv

Size:
Width: 20,5 cm / 8,1"
Height without optional handle: 20,6 cm / 8,1"
Length, drawer closed: 47,9 cm / 18,9"
Length, drawer open: 57,5 cm / 22,6"

Weight:
15,5 kg / 34,2 lbl

Electrical Supply Data:
100 - 240 V, 50 - 60 Hz
Maximum nominal power: 30 VA @ 100 V, 40 VA @ 240 V
Fuse: 1 A, slow

PC Connectivity: USB 1.1 full speed (USB 2.0 compatible), USB type B

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