DOSImetrics

Be Smart. Be Safe. BeOSL.

In today's world, area dose monitoring is becoming increasingly more relevant. Area dose measuring is a necessity when extra safety measures have to be met. At times, regulation requires that spaces next a source of radiation have to be monitored with area dosimeters in addition to personal dosimeters. The BeOSL Area Dosimeter is an essential addition to the BeOSL System and smoothly integrates into both new and existing equipment.

BeOSL Area Dosimeter

Key Features

- DESIGNED FOR INDOOR WORKPLACE MONITORING
- MANUFACTURER CALIBRATED
- FITS INTO BEOSL READER, ERASER AND AUTOMIZATION OPTIONS

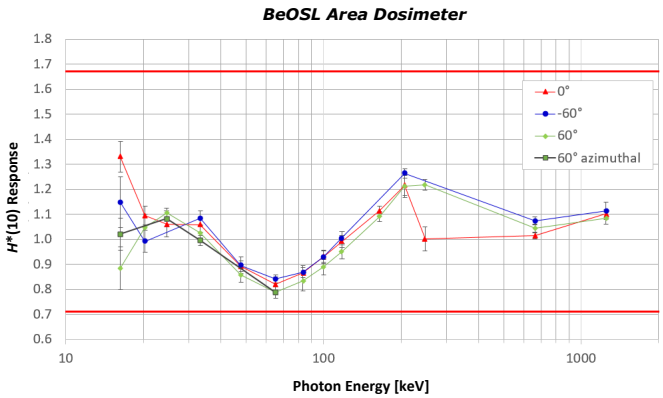
BeOSL Area Dosimeter

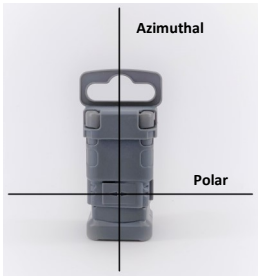
TECHNICAL SPECIFICATIONS

The modified BeOSL Two-Element Dosimeter monitors indoor areas to ensure the highest level of safety needed for a facility or laboratory. The BeOSL Area Dosimeter seamlessly complements to the BeOSL System.

The BeOSL Area Dosimeter functions a lot like to the BeOSL Dosimeter, however, a number of adjustments have been made. These changes help meet the user's needs and provide safety. The BeOSL Area Dosimeter measures radiation exposure in terms of ambient dose equivalent $H^*(10)$.

As it is a BeOSL Dosimeter, the detector material remains beryllium oxide (BeO) and is readout via optically stimulated luminescence (OSL). Also, it can be read, erased and prepared with the BeOSL Reader and Eraser. LabClient or WorkFlow software support all processes too. To receive the highest quality and results for the BeOSL Area Dosimeter, a new algorithm was developed for our software.





The graph above depicts this data. Implementing this algorithm into our software provides the user with a smooth transition into existing BeOSL Systems as well as new. Our Customer Service and Support teams are ready to assist you in implementing the BeOSL Area Dosimeter into your dosimetry service.

The BeOSL Area Dosimeter comes with its own secure two-part holder. The box shaped container is gray and opaque; it provides a secure monitoring environment for the BeOSL Area Dosimeter. At the top part of the container, there is an opening so that user is able to easily place the dosimeter to the desired area of the room.

Further information including handling instructions, a technical data sheet and pricing are available upon request. Please contact the Sales team at sales@dosimetrics.de for more information.

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

MADE IN GERMANY

Dosimeter Identification:
Bar Code (Code 128 C)

Detector Material:
Beryllium Oxide

Radiation Type:
Photon Radiation

Nominal Range:
0,05 mSv — 10 Sv
16 keV — S-Co
$0° \leq \alpha \leq \pm 60°$

Mechanical Resistance:
No Effect for Drop Heights up to 2 m / 6.5 ft

Dimensions (Dosimeter):
LxWxH 57x22x8 mm / 2.25x0.9x0.3 in
Weight: 12 g

Dimensions (Dosimeter and Holder when closed):
LxWxH 30x30x72 mm / 1.2x1.2x2.8 in
Weight: 31 g

COMPONENTS

Article Number	Description
1001-0023	BeOSL Area Dosimeter
3002	Software Update / Upgrade

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