



THE UPDATE

ISSUE 8 • MARCH 2021

**Welcome
2021!**



Dear customers, partners & interested clients,

We hope this newsletter finds you well and healthy. As we are taking on the new year and are working now more regularly with our new colleagues at Mirion, we are, of course, seeing some changes. At the same time, things remain very much just as before and we are very happy about this. We have some important updates to share with you and hope you enjoy reading this edition of *The Update*.

All our best,

The Dosimetrics Team

DOSIMETRICS GMBH
NEWSLETTER

TABLE OF CONTENTS

COVID-19 & UGM News • P. 2

Dosimeters as Artifacts • P. 2

BeOSL in Colombia • P. 2-3

Eye Lens Dosimeter & PTB • P. 3-4

Dosimetrics is Growing • P. 5

COVID-19 AND USER GROUP MEETING UPDATE

As we still have a lockdown in Germany, we are adjusting our "new normal" as needed. Within our team we are maintaining our strict safety measures but are continuing to work "business as usual" like many of you. We are patiently waiting until some of our restrictions are eased and have great hopes for meeting you all in person - hopefully this year.



We are organizing our 2nd User Group Meeting and would like your help. We have a short 1-minute **survey** that you're invited to participate in so that we can plan our meeting to fit the best (as possible) to everyone's needs and expectations.

Click [here](#) to take our survey.

OUR DOSIMETERS ARE GOING PLACES

The DASA Arbeitsweltausstellung Dortmund is part of the Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (BAuA) or Federal Institute for Occupational Safety and Health located in Dortmund, Germany. It presents working worlds of yesterday, today and tomorrow on 13,000 square meters of exhibition space. As a permanent educational institution of the BAuA, it informs the public about the world of work, its significance for individuals and society and the importance of designing work in a humane way.

They are continuously working on updating their permanent exhibition to provide their visitors with a

baua:

Federal Institute for Occupational Safety and Health

:dasa

contemporary insight into the world of work. At the moment, DASA is working on an exhibition on the topic of "Healing and Caring," which will focus on medical professions. Since the associated exhibition area "Examining" also deals with occupational safety measures when working with x-ray equipment, Dosimetrics has been asked to be featured in these showcases. Our BeOSL Whole Body Dosimeters and Partial Body Dosimeters (including the Finger Ring and Eye Lens Dosimeter) can be found in their own exhibition. We are very proud to be able to share our technology to the general public in this way.

For more information about Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (BAuA), click [here](#). To learn more about DASA Arbeitsweltausstellung Dortmund, click [here](#).

We send a special thanks to Magdalena Höbel for her help in organizing this effort and for sharing more information about the BAuA and DASA.

BeOSL IS OFFICIALLY ACCREDITED IN COLOMBIA

We had the pleasure of interviewing Pablo Giraldo, founder and General Director of Sievert Protección Radiológica to learn more about their recent approval from the Colombian authority.

What recent authorizations has the Colombian authority provided to Sievert?

Due to the pandemic issues in Colombia the authorizations that were due to expire were



extended until 30 days after the end of the emergency state that was declared. This date has been continuously moving and it is still unclear when it will officially end. Based on this, applications for new licenses have been very restricted, especially

Continued on page 3

because the secondary calibration laboratory of the Geological Survey where the dosimeters for the intercomparison exercise are irradiated, has not been operating normally. With this, we can say that there are no recent authorizations and that the *only one*, after such a long time, has been ours.

Which products of the BeOSL System can you use now?

So far in Colombia, there has only been one dosimetry provider with an OSL method for the 3 operational quantities ($H_p(10)$, $H_p(3)$ and $H_p(0,07)$). This provider sends the dosimeters to be read in the US. We have now become the first company in Colombia with our own laboratory to perform readings of the OSL dosimeters for these three quantities. This notably improves the response to new developments, provides timely readings and ensures the rereading of the method. This method is very important for us since we establish the research values with all of our customers and we keep the dosimeters that exceed these values.

What are the different systems that Sievert is currently using?

Sievert currently has licenses for both TLD and OSL methods with its own laboratory. The technologies

we handle respectively are Panasonic (Japan) and Dosimetrics (Germany).

What do you like best about your BeOSL System?

It is a robust and very reliable system with a simple reading interface that allows us to have measurements in a short time. Each one of our dosimeters has its individual calibration factor. What we like the most and what fills us with pride is that each one is marked with our logo and that of the BeOSL System. Another aspect that is highly valued by our customers is the possibility of rereading. Thanks to our highly trained staff, we have managed to make this commercial promise a reality since we make sure to take care of those dosimeters that require this process.

Lastly, we have an excellent relationship with Dosimetrics. We see in Dosimetrics a company that, like us, does things both internally and externally well. This satisfaction is something that we do not only feel, but it shows in their own employees whom we consider great professionals and excellent people... that is ultimately, what we like the most!

To learn more about Sievert, click [here](#).

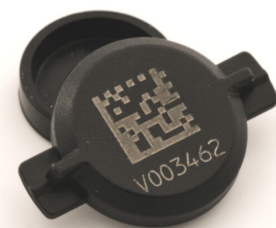


AWST RECEIVES APPROVAL FROM PTB FOR THE BeOSL EYE LENS DOSIMETER

In this issue of *The Update*, we are also featuring Mirion Technologies (AWST). We had the pleasure to interview Philip Kleinau, Vedran Bandalo and Dr. Herbert Hoedlmoser.

What recent approvals did Mirion Technologies (AWST) receive from Physikalisch-Technische Bundesanstalt (PTB)?

The latest system to receive PTB approval is the BeOSL Eye Lens Dosimeter which has been



BeOSL Eye Lens Dosimeter

developed in a collaboration between Mirion Technologies (AWST) and Dosimetrics. It is the first eye lens dosimeter for the dose quantity $H_p(3)$ that has received PTB approval. Subsequently, it has been designated for official use in individual monitoring by all German federal and state authorities.

Continued on page 4

Could you please highlight some of the feedback that was received from PTB?

The demanding tests from PTB have confirmed the excellent radiological capabilities of the BeOSL Eye Lens Dosimeter which had already been established prior to PTB approval in our internal technical characterization of the dosimetry system and in the most recent EURADOS intercomparison for extremity dosimeters. Passing the most recent PTB requirements regarding software and data protection was even more challenging than the radiological tests in the approval process. The new software environment used for processing the dosimeter IDs and measurement data creates dose records in compliance with the highest standards in data security. To receive PTB's approval is the best feedback you can receive as their requirements are among the highest standards in existence.

How do you envision eye lens dosimetry or other extremity dosimetry developing in the future?

In general, extremity dosimetry becomes more important as the number of applications, for instance in interventional radiology, increases. In eye lens dosimetry, we expect our customers to use the new dosimeter to evaluate work places and to start individual monitoring for the most exposed individuals according to the laws.

In these efforts we believe our customers will appreciate the versatility of the new dosimeter, which can be worn on a **headband** (see the image below for an example of this), integrated in protection glasses provided by **MAVIG** or attached to other types protection equipment by means of adapters. As a dosimetry service, it is extremely convenient to be able to cover whole body, extremity and environmental dosimetry with only one type of processing equipment.



This is the BeOSL Eye Lens Dosimeter fitted into the Headband Adapter and Headband.



MIRION
TECHNOLOGIES

Dosimetrieservice (AWST)

Is there any other relevant information that you'd like to share with us and other Dosimetrics users?

We are proud to offer our customers the first PTB approved $H_p(3)$ dosimeters and we hope many Dosimetrics users will chose them too.

For further information please refer to:

Technical Data Sheets:

<https://awst.mirion.com/augenlinsendosimeter/>

Our publications:

Hoedlmoser, H., et al., 2019. New Eye Lens Dosemeters for Integration in Radiation Protection Glasses, *Radiat. Meas.* 125, 106-115.

<https://doi.org/10.1016/j.radmeas.2019.05.002>

Bandalo, V., et. al., 2020. Performance of the BeOSL eye lens dosemeter with radiation protection glasses, *Rad. Prot. Dosimetry* 131.

<https://doi.org/10.1016/j.radmeas.2019.106235>

Hoedlmoser, H., et. al., 2020. Individual Monitoring with BeOSL Dosemeters: New Dosemeters for Extremity and Area Dosimetry, *Rad. Meas.*,

<https://doi.org/10.1016/j.radmeas.2020.106258>

For more information about AWST, please click [here](#).

Click [here](#) to learn more about PTB.



Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

Interested in these products?
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THE DOSIMETRICS FAMILY IS GROWING



We are very happy to share with you that our extended Dosimetrics family is growing.

Florian, our Production and Logistics Manager, and his partner, Elisabeth welcomed their first child last summer. Their daughter Sophia was born on 29th June 2020.

Please welcome, Sophia and congratulations to Elisabeth and Florian!

#NewPartialBody
Dosimetry
ProductFeature



Summer 2021

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