

LIXmeter

The **LIXmeter** is an immediately display measuring device for ionizing radiation (X-radiation) generated by ultrashort pulse lasers during material processing. The sensor has different interfaces and is delivered with a software for recording of measured values. An integration in the machine control system as well as individual adaptations are possible. The sensor is self-monitoring and signals exceeding of predefined thresholds.

The sensor is available in three variants:

- **machine control sensor:** assembly within protective housing
- **sensor for work place control:** assembly in front of the machine, in the people room
- **hand sensor:** control of protective housing tightness in normative distance of 10 cm

Technical details:

measuring range of ionizing radiation:	3 keV bis 50 keV
lower measuring limit:	$H'(0,07) \geq 3 \mu\text{Sv/h}$
measurement interval:	< 0,5 s
measuring surface:	< 1 cm ² (so guidelines of radiation protection regulations are maintained)
interface:	Ethernet (individually adaptable)
display of data:	PC Software
power supply:	12 V DC
temperature range:	0 °C - 50 °C
housing dimensions:	51 mm x 51 mm x 41 mm
fastening:	M6 and ¼"-20 UNC thread



Detection of laser induced X-ray emission from ultrashort pulse laser material processing


LÖSUNGEN FÜR INTELLIGENTES MESSEN



光技術をサポートする
株式会社オプトサイエンス

<https://www.optoscience.com>

東京本社 〒160-0014 東京都新宿区内藤町1番地 内藤町ビルディング TEL:03-3356-1064
大阪営業所 〒532-0011 大阪市淀川区西中島7-7-2 新大阪ビル西館 TEL:06-6305-2064
名古屋営業所 〒450-0002 名古屋市中村区名駅2-37-21 東海ソフトビル TEL:052-569-6064

E-mail : info@optoscience.com