LIXmeter

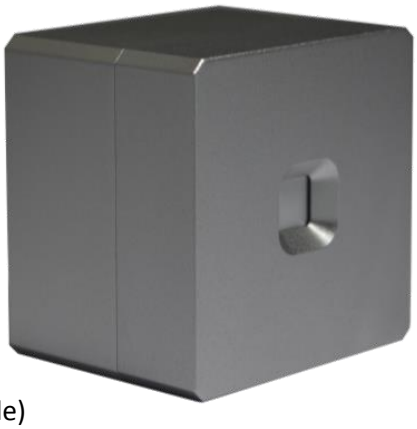
The **LIXmeter** is an instantly displaying measuring device for ionizing radiation (X-radiation) generated by ultrashort pulse lasers during material processing.
The sensor has different interfaces and comes with a software to record the measured values.
An integration in the respective machine control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

The sensor is available in three versions:

- **machine control sensor**: assembly within protective housing
- **sensor for work place control**: assembly outside the machine, in the spectator room
- **handheld 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) ≥ 3 µSv/h
measurement interval:	< 0,5 s
measuring surface area:	< 1 cm^2 (to maintain guidelines of radiation protection regulations)
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

- For further details see www.lixmeter.de

CALVASENS
LÖSUNGEN FÜR INTELLIGENTES MESSEN

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