

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 can be used as a machine control sensor or for process monitoring in radiation generating machining processes.

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
interface	Ethernet (changes possible)
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

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