

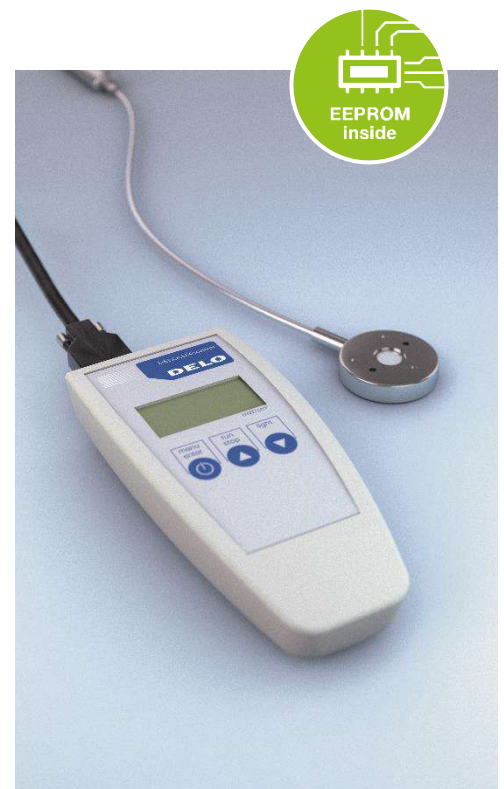
DELOLUXcontrol

Control for constant quality

Regular measurements of the light intensity offer you process reliability when using the DELOLUX lamps. The DELOLUXcontrol measuring device can be used to detect changes in intensity that may be caused by impurities, changes in distance or aging of the lamp heads.

1.1. DELOLUXcontrol

Technical data	
Dimensions	63 mm x 31 mm x 145 mm
Operating modes	CW measurement Dose measurement Maximum value measurement CW
Intensity range	1 mW/cm ² to 40 W/cm ²
Display range [mW/cm ²]	Automatic measuring range extension mW/cm ² > W/cm ² > kW/cm ²
Display range [J/cm ²]	Automatic measuring range extension mJ/cm ² > J/cm ² > kJ/cm ²
Dose measurement / integral time	min. 1 s max. 99 h, 59 min, 59 s
Operating temperature	+5 °C to +40 °C (measuring device)
Power supply	2x mignon AA 1.5 V
Interface	USB
Weight	161 g



1.2. DELOLUXcontrol RS232

To implement automated intensity monitoring, DELOLUXcontrol RS232 can be integrated into a higher-level PLC via an RS232 interface. The resulting information for quality assurance and process data acquisition is ideally suited for Industry 4.0. More details regarding the setup of an intensity control loop can be found in the Technical Information “DELOLUXcontrol RS232 | Intensity Monitoring and Adjustment in a PLC Environment”.

Technical data	
Dimensions	63 mm x 30 mm x 113 mm
Output range	0.0001 – 99 W/cm ²
Trigger	0.0001 W/cm ²
Operating temperature	+5 °C to +40 °C
Current consumption	approx. 10 mA
interface	RS232 on 9-pin D-Sub
Weight	202 g



1.3. Detector head

DELOLUXcontrol (RS232) can be equipped and operated with different detector heads. As a user, you should calibrate the detector heads once a year.



Technical data	
Dimensions	Ø 37 x 8 mm
Diameter of detection area	9 mm (LED 9 mm) 1 mm (LED 1 mm)
Operating temperature	+5 °C to +100 °C
Calibration	Irradiation intensity in mW/cm ² with factory calibration report
Relative measurement uncertainty	± 6.5 %
Connecting line	Light guides Length: 1.3 m Minimum bending radius: 50 mm
Irradiation time	interval / no permanent irradiation

	9 mm LED detector head	1 mm LED detector head
Sensor types	365 / 400 / 460 nm	365 / 400 / 460 nm
Typ. maximum display range	365 nm: 35.6 W/cm ² 400 nm: 26.8 W/cm ² 460 nm: 27.6 W/cm ²	365 nm: 2.1 kW/cm ² 400 nm: 1.54 kW/cm ² 460 nm: 1.54 kW/cm ²
Compatibility	DELOLUX 80 DELOLUX 20x series	DELOLUX 50x series

1.4. Overview

Article	Article number
DELOLUXcontrol without detector head	9520340
DELOLUXcontrol RS232 without detector head	9520345
DELOLUXcontrol 9 mm LED detector head	9520341
DELOLUXcontrol 1 mm LED detector head	9520342
DELOLUX 50 x1 measuring adapter	9520348
DELOLUX 50 x4 measuring adapter	9520349
DELOLUX 502 measuring adapter	9520083
DELOLUX 503 measuring adapter	9520247
DELOLUX 504 measuring adapter	9520401
DELOLUX 505 measuring adapter	9520412
DELOLUX 301 measuring adapter	9520461
DELOLUX 80 measuring adapter	9520350



DELOLUX 50 x1
measuring adapter



DELOLUX 50 x4
measuring adapter



DELOLUX 502
measuring adapter



DELOLUX 503
measuring adapter



DELOLUX 504
measuring adapter



DELOLUX 505
measuring adapter



DELOLUX 80
measuring adapter



DELOLUX 301
measuring adapter



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