

## 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 <sup>2</sup> to 40 W/cm <sup>2</sup>
Display range [mW/cm <sup>2</sup> ]	Automatic measuring range extension mW/cm <sup>2</sup> > W/cm <sup>2</sup> > kW/cm <sup>2</sup>
Display range [J/cm <sup>2</sup> ]	Automatic measuring range extension mJ/cm <sup>2</sup> > J/cm <sup>2</sup> > kJ/cm <sup>2</sup>
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 the process via an RS232 interface.

Technical data	
Dimensions	63 mm × 30 mm × 113 mm
Output range	0.0001 – 99 W/cm <sup>2</sup>
Trigger	0.0001 W/cm <sup>2</sup>
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.



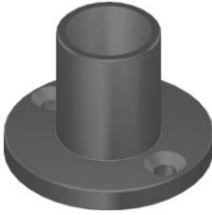
Technical data	
Dimensions	Ø 37 × 8 mm
Diameter of detection area	9 mm (LED 9 mm) 1 mm (LED 1 mm)
Operating temperature	+5 °C to +100 °C
Calibration	Irradiation intensity in mW/cm <sup>2</sup> with factory calibration report
Relative measurement uncertainty	± 6.5 %
Connecting line	Light guides Length: 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 <sup>2</sup> 400 nm: 26.8 W/cm <sup>2</sup> 460 nm: 27.6 W/cm <sup>2</sup>	365 nm: 2.1 kW/cm <sup>2</sup> 400 nm: 1.54 kW/cm <sup>2</sup> 460 nm: 1.54 kW/cm <sup>2</sup>
Compatibility	DELOLUX 80 DELOLUX 20x series	DELOLUX 50x series

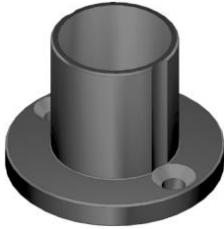
## 1.4. Measuring adapter

### Measuring adapter

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Measuring adapter for DELOLUX 50 x1 head  
(supplied with the LED 1 mm detector head)



Measuring adapter for DELOLUX 50 x4 head  
(supplied with the LED 1 mm detector head)



Measuring adapter for DELOLUX 502 head  
(not supplied with any detector head)



Measuring adapter for DELOLUX 503 head  
(not supplied with any detector head)



Measuring adapter for DELOLUX 504 head  
(not supplied with any detector head)



Measuring adapters for DELOLUX 80  
(supplied with the LED 9 mm detector head)

## 1.5. 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 502 measuring adapter	9520083
DELOLUX 503 measuring adapter	9520247
DELOLUX 504 measuring adapter	9520401



Discuss your project and your requirements with our experts:  
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