

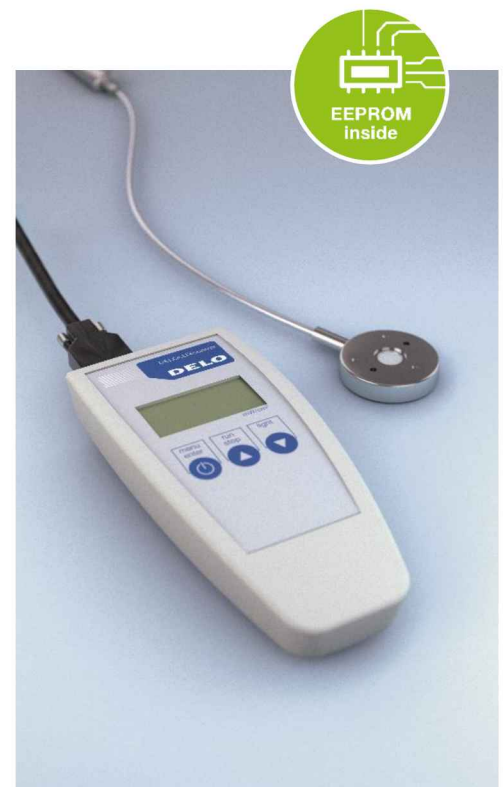
DELOLUXcontrol

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 × 31 mm × 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 the process via an RS232 interface.

Technical data	
Dimensions	63 mm × 30 mm × 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 × 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. Measuring adapter

Measuring adapter



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:
equipment-experts@DELO.de

CONTACT

DELO Industrial Adhesives
Headquarters

► **Germany** · Windach/Munich ...

..... www.DELO-adhesives.com

ADHESIVES

DISPENSING

CURING

CONSULTING

DELO

The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behavior of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this. It is the customer's responsibility to test the suitability of a product for the intended purpose by considering all specific requirements and by applying standards the customer deems suitable (e. g. DIN 2304-1). Type, physical and chemical properties of the materials to be processed with the product, as well as all actual influences occurring during transport, storage, processing and use, may cause deviations in the behavior of the product compared to its behavior under laboratory conditions. All data provided are typical average values or uniquely determined parameters measured under laboratory conditions. The data and information provided are therefore no guarantee for specific product properties or the suitability of the product for a specific purpose. Nothing contained herein shall be construed to indicate the non-existence of any relevant patents or to constitute a permission, encouragement or recommendation to practice any development covered by any patents, without permission of the owner of this patent. All products provided by DELO are subject to DELO's General Terms of Business. Verbal ancillary agreements are deemed not to exist.

© DELO – This brochure including any and all parts is protected by copyright. Any use not expressly permitted by the Urheberrechtsgesetz (German Copyright Act) shall require DELO's written consent. This shall apply without limitation to reproductions, duplications, disseminations, adaptations, translations and microfilms as well as to the recording, processing, duplication and/or dissemination by electronic means.