

LED PEN 2.0 | LED POWER PEN 2.0



UV LED POINT SOURCE

Max. irradiation intensity:
16.000 mW/cm²
Wavelength: 365, 405 nm
Air cooled

FEATURES

- less heat impact
- no start up phase
- no standby-mode required

BENEFITS

- optimum adhesive curing performance
- suitable for heat sensitive materials
- low electrical power input
- focussed irradiation characteristic

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The LED Power Pens are LED-technology based reliable point source with an output spectrum of 365/405 nm +/- 10 nm for LED Power Pen 2.0 and 365 nm +/- 10 nm for LED Pen 2.0.

ADVANTAGES OF LED-TECHNOLOGY

The use of LED devices offers the following advantages: LED's do not emit IR radiation. With reduced heat output the processing of almost all heat sensitive materials is possible. The monochromatic spectrum of the LED Power Pen matches the absorption of photoinitiators in UV curable adhesives and allows a fast and efficient cure. The LED Power Pens can be switched on and off as often as necessary. They do not require a warm-up or cooling phase.

APPLICATIONS

The Pens are suitable for a large range of applications:

- Bonding and fixing of components in the electronic, medical-technical and optical industry
- Fluorescent excitation for material testing; also suitable for automatic image processing
- High-intensity UV irradiation for biological, chemical and pharmaceutical purposes

TECHNICAL DATA

	LED Pen 2.0	LED Power Pen 2.0
Peak wavelength	365 nm +/- 10 nm	365/405 nm +/- 10 nm
UVA-intensity at aperture*	4800 mW/cm ²	
UVA-intensity in distance	650 mW/cm ² at 5 mm distance*	10.000 mW/cm ² at 365 nm at 12mm distance* 16.000 mW/cm ² at 405 nm at 12mm distance*
electrical power input	ca. 5 W	ca. 5 W
mains supply	from external net 100-240V AC or 24V DC	From external net 100-240V AC
dimensions (Ø x length)	26 mm x 129 mm	26 mm x 140,5 mm
weight	130 g	140 g
continuous operation without additional cooling	max. 10 minutes	max. 10 minutes

*) measured with Hoenle UV-Meter and LED sensor

FLEXIBLE USE



Control unit LED Pens (option)

Due to their compact size and low weight the Pens can be used in difficult accessible areas. They are powered via an external plug-in supply unit (adaptable for the world wide use) which is included in the scope of delivery. The Pens are manually operated by using a pressure switch on the unit. Optionally, Pens are available with a control box for external activation (e.g.

foot switch) or for activation via a potential-free PLC input signal. Additionally, the control box provides an output signal for operation monitoring.

HIGH PROCESS SECURITY

The Pens have an internal power control and a temperature switch to protect the unit.

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Operating parameters depend on production characteristics and may differ from the foregoing information. We reserve the right to modify technical data. © Copyright Hoenle AG. Updated 09/25