
LED

## LED PEN 2.0

**UV LED point source**

**Max. irradiation intensity up to 4.800 mW/cm²**

**Wavelength: 365 nm**

**Air cooled**

### System-Features

- Less heat impact
- No start up phase
- No standby-mode needed

### Advantages

- Optimum adhesive curing performance
- Suitable for heat sensitive materials
- Low electrical power input

# LED Pen 2.0

The LED Pen is an LED-technology based reliable point source with an output spectrum of 365 nm +/- 10 nm.

## Advantages of LED-technology

The use of LED devices offers the following advantages: LED's do not emit IR radiation. The reduced heating of the substrate allows processing of heat sensitive materials. The nearly monochromatic spectrum of the LED Pen matches the absorption of photoinitiators in UV curable adhesives and allows a fast and secure cure.

The LED Pen can be switched on and off as often as necessary. He does not require a warm-up or cooling phase.

## Applications

The LED Pen is 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

## Flexible use

Due to its compact size and low weight the LED Pen can be used in difficult accesable areas. The LED Pen is powered via an external plug-in supply unit (adaptable for the world wide use) which is included in the scope of delivery.
The LED Pen is manually operated by using a pressure switch on the unit.

Optionally, the LED Pen is 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.

Control unit LED Pen (option)

## High process security

The LED Pen has an internal power control and a temperature switch to protect the unit.

## Technical data

| | |
|---|---|
| wavelength | 365 nm +/- 10 nm |
| UVA-intensity at aperature* | 4800 mW/cm² |
| UVA-intensity at 5mm distance | 650 mW/cm² |
| electrical power input | ca. 5 W |
| mains supply | from external net 100-240V AC or 24V DC |
| dimensions (Ø x length) | 26 mm x 129 mm |
| weight | 130 g |
| continuous operation without additional cooling | max. 10 minutes |

* measured with Hönle UV-Meter and LED sensor