honle group

honle uv technology

LED Power PEN 2.0

UV LED point source

Max. irradiation intensity: 16.000 mW/cm²

Wavelength: 365, 405 nm

Air cooled

System-Features

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

Advantages

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

LED Power Pen 2.0

The LED Power Pen is an LED-technology based reliable point source with an output spectrum of 365/405 nm +/- 10 nm.

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

Applications

The Power 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 Power Pen can be used in difficult accesable areas. The LED Power 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 Power Pen is manually operated by using a pressure switch on the unit.

Optionally, the LED Power 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 Power Pen (option)

High process security

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

Technical Data

Peak wavelength	365/405 nm +/- 10 nm
UVA Intensity in 12 mm distance*	10.000 mW/cm² at 365 nm 16.000 mW/cm² at 405 nm
Electrical power input	ca. 5 W
Mains supply	From external net 100-240V AC
Dimensions (Ø x length)	26 mm x 140,5 mm
Weight	140 g
Continuous operation without additional cooling	max. 10 minutes

* measured with Hönle UV-Meter and LED sensor

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