



Innovative UV sensors technology

The Jenoptik Optoelectronic Systems business unit develops and produces standard and special measurement equipment, sensors, measurement heads, and control units for UV-radiation from UV-A, UV-B, UV-C through VUV.

Primary application fields include water purification and disinfection, medical light therapy, UV-curing, and flame detection. Measurement devices are designed for monitoring, maintenance, and control of UV-radiation systems and suitable for online inspection, too.

In addition to special UV-measurement devices, we develop and produce UV-illumination systems for biomedical applications, driver circuits for LED-lamps, signal processing circuits and systems, ammeters, and custom made electronic components.



Innovative solutions for UV-applications



Components for control of UV-water disinfection equipment

- Reference radiometer according to standards DVGW W294-3 and Ö-Norm M5873-1
- Interchangeable measurement heads and stationary integrated control windows
- Solid industrial display and data logger unit
- Calibration, maintenance and repair services
- Custom-made sensors water resistant up to 16 bar



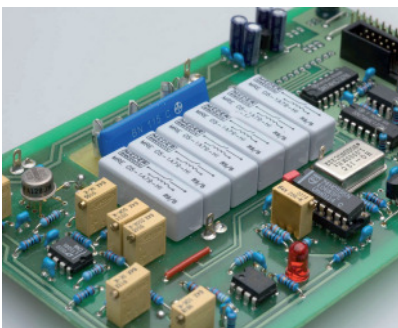
Measurement and control of UV-radiation for light therapy and wellness applications

- Portable UVA- and UVB-Erythema radiometer
- Module for skin type analysis, e.g. for solarium
- UVA- and UVB-measurement heads for online-radiation control
- Photodiode modules for specifically selected wavelength ranges
- Design, development and production of components



Advanced sensors and radiometers for measurement of VUV-radiation

- FlatLog – extreme thin sensor to control UV-light during UV-curing process
- Measurement in previously inaccessible locations and recording of UV-irradiance and UV-dose (energy density) data
- Radiometer for measurement of excimer beams up to 165nm
- Sensors for online-radiation control up to 165nm, doses up to 2000mW/cm²
- High temperature UV-Sensors up to 400°C



Custom made components and modules

- Flame detection sensor for burner control in UV-range
- Driver units for LEDs
- UV-illumination system for biomedical application
- I/V converters
- Photometers and electronic boards



JENOPTIK | Optical Systems
Optoelectronic Systems Business Unit
JENOPTIK Polymer Systems GmbH
Am Sandberg 2 | 07819 Triptis | Germany
Phone: +49 36482 45-0 | Fax: +49 36482 45-111
E-Mail: sales@jenoptik-ps.de | www.jenoptik-ps.de

JENOPTIK | Optical Systems
Optoelectronic Systems Business Unit
EPIGAP Optoelektronik GmbH
Koepericker Strasse 325b | Haus 210 | 12555 Berlin | Germany
Phone: +49 306576-2549 | Fax: +49 306576-2545
E-Mail: sales@epigap.de | www.epigap.de