



UV LED COMBI LAMP

Mains and Battery Operated Portable Lamp

KARL DEUTSCH

UV LED COMBI LAMP

No UV-B and UV-C, shock- and waterproof



UV LED combi lamp based on long-lived LED technology



Power supply: 80 - 264 V / 12 V



Pocket-sized rechargeable battery (incl. belt clip) and battery charger: Short charging time of 3.5 hours



Delivery in a handy carrying case

UV LED lamp for penetrant and magnetic particle inspection

Features and benefits:

- UV LED technology with long life time of the illuminant
- With 4 high-end UV LEDs and 1 white light LED
- Momentary push button to select UV or white light
- Immediately ready to use
- High UV intensity: 60 W/m² (6,000 µW/cm²) approx. at a distance of 400 mm
- White light intensity: 1,600 lx approx. at a distance of 400 mm
- 120 mm Ø illuminated UV area (at a distance of 400 mm)
- Very uniform intensity distribution
- Low risk category according to German standard EM 6
- Fulfils the safety standards concerning UV radiation
- Complies with all standards of the German Society for Non-Destructive Testing (DGZfP) regarding wavelength and intensity
- UV-A radiation at 365 nm wavelength
- No white light in UV operating mode
- No filter glasses are required
- No risk by UV-B and UV-C even if the protective cover (perspex) is defective
- Solid aluminium housing, black anodized, small and portable
- Shock- and waterproof
- UV lamp, plugs and cables fulfil IP 65
- Heat flow via housing, without fan
- Runs optionally by mains adapter or rechargeable battery pack
- 12 V operating voltage
- 4.60 m cable length allows an excellent mobility while working with mains adapter
- Lamp and rechargeable battery can be used for the inspection in closed containers and boilers
- 2.25 hours continuous operation while working with rechargeable battery
- Small, light and pocket-sized NiMH rechargeable battery with belt clip (154 mm x 96 mm)
- Low-voltage while working in rechargeable battery mode is shown by blinking LED light
- Short charging time: approx. 3.5 hours
- State of charge by green/red LED on the battery charger
- No replacement of the illuminant due to the extremely long service life of the LED lamp
- LED technology enables a service life of more than 10,000 hours
- Increased operational reliability because no high-voltage ignition electronic is necessary
- No filter glasses are required
- No UV-B and UV-C radiation
- Small and compact design

At a glance:

Benefits of the LED technology compared to glow-discharge lamps

Technical Data and Ordering Information

Lamp		UV LED combi lamp (incl. mains unit)	Order No. 3815.501
Weight / Length (incl. handle)	1.2 kg / 110 mm		
Wavelength	365 nm		
UV Intensity	60 W/m ² (6,000 µW/cm ²)		
Illuminated UV area (at a distance of 400 mm)	120 mm Ø		
White light intensity	1,600 lx approx.		
Rechargeable battery		Rechargeable battery for UV LED combi lamp	Order No. 3815.520
Capacity	2,700 mAh / 12 V		
Housing size	154 mm x 96 mm x 33 mm		
Weight	375 g		
Non-stop operation	2.25 hours	Charger for rechargeable battery	Order No. 3815.570
Charging time	approx. 3.5 hours		

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