UV LED COMBI LAMP
Mains and Battery Operated Portable Lamp
UV LED COMBI LAMP
No UV-B and UV-C, shock- and waterproof

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 (DGZIP) 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

At a glance:
Benefits of the LED technology compared to glow-discharge lamps

• 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

Technical Data and Ordering Information

<table>
<thead>
<tr>
<th>Lamp</th>
<th>UV LED combi lamp (incl. mains unit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight / Length (incl. handle)</td>
<td>1.2 kg / 110 mm</td>
</tr>
<tr>
<td>Wavelength</td>
<td>365 nm</td>
</tr>
<tr>
<td>UV Intensity</td>
<td>60 W/m² (6,000 µW/cm²)</td>
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<tr>
<td>Illuminated UV area (at a distance of 400 mm)</td>
<td>120 mm Ø</td>
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<tr>
<td>White light intensity</td>
<td>1,600 lx approx.</td>
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<th>Rechargeable battery</th>
<th>UV LED combi lamp</th>
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<tbody>
<tr>
<td>Capacity</td>
<td>2,700 mAh / 12 V</td>
</tr>
<tr>
<td>Housing size</td>
<td>154 mm x 96 mm x 33 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>375 g</td>
</tr>
<tr>
<td>Non-stop operation</td>
<td>2.25 hours</td>
</tr>
<tr>
<td>Charging time</td>
<td>approx. 3.5 hours</td>
</tr>
</tbody>
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