EV6500

Hand-Held Dual-Light LED UV Lamp

The EV6500 is a hand-held, portable LED UV lamp with built-in white light LEDs for non-destructive testing applications like fluorescent penetrant testing and fluorescent magnetic particle inspections.

Designed with broad-beam profile for in-line and hand-held use, the EV6500 will decrease inspection time by improving indication visibility with 7,000 μW/cm² high intensity UV-A illumination and the widest coverage area in its class.

To improve NDT inspection flexibility, the EV6500 has easy-on white light LEDs for visible flaw location, eliminating the need for a separate flashlight. The white light LEDs provide a large, concentrated flood of visible light of over 150 ft-candles.

BENEFITS

Minimizes time to inspect parts with wide, intense UV beam

- Speeds up inspection time with the widest, most even beam on the market
- Indications are clearly visible even at the edge of the 10 inch / 25 cm beam, thanks to the high intensity LEDs

Improves visibility & versatility with built-in white light LEDs

- Eliminates the need for a separate flashlight for visible spot checking with built-in LED white light function
- See clearly without fumbling in the dark or having to turn on an overhead light with the 16 inch / 41 cm beam of bright white light

Increases real-world reliability with NDT-focused engineering and dependable construction

- Reduces on-the-job downtime with dependable, reinforced construction
- Fully sealed housing will stand up to the elements, along with a fan-less cooling system and non-clouding lens for reliable, consistent inspections
- Fully sealed IP65 rated housing will stand up to the elements

Safer working conditions with LED technology

- Removes the possibility of operator burns through cool LED technology
- Eliminates hazardous mercury vapor waste disposal for safer working conditions
**PRODUCT PROPERTIES**

| Light Sources | 5 UV LEDs  
|               | 4 White LEDs |
| Light Filter  | Clear filter |
| Peak Wavelength | 365 ±5 nm |
| Max UV Intensity* | 7,000 μW/cm² |
| UV Light Coverage* | 10 in / 25 cm diameter circular spot |
| Visible Light in UV Mode | < 1 ft-candle / 10 lux |
| Visible Light in Visible Mode | 150 ft-candles / 1,600 lux |
| Visible Light Coverage* | 16 in / 41 cm diameter circular spot |
| Working Distance | < 5 in / 13 cm |
| Stabilization Time† | 5 minutes |
| Lamp Cord Length | 17 ft / 5.18 m |
| Power Supply Cord Length | 9 ft / 2.75 m |
| Weight, Lamp | 2.8 lb / 1.3 kg |
| Weight, Power Supply | 1.4 lb / 0.6 kg |
| Power In | 100-240 VAC / 50-60 Hz / <1A |

* At 15 in / 38 cm  
† At ambient conditions

**FEATURES**

- 10 in / 25 cm wide, uniform beam  
- No hot-spots in the beam profile  
- Built-in LED white light  
- Single push-button operation for UV and white light  
- Rugged, durable design  
- No internal fan  
- Low energy consumption  
- Improved operator and environmental safety

**SPECIFICATION COMPLIANCE**

- API 6A  
- API 1104  
- ASME BPVC  
- ASTM E165  
- ASTM E709  
- ASTM F601  
- AWS D1.1  
- ISO 9934

**PART NUMBER**

626803

**USE RECOMMENDATIONS**

<table>
<thead>
<tr>
<th>NDT Method</th>
<th>Fluorescent Penetrant Testing and Fluorescent Magnetic Particle Inspection</th>
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| Recommended Accessories | UV-A Meter, PN 625024  
|                       | Visible Light Meter, PN 622338  
|                       | UV-A Safety Glasses, PN 506249 |