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 $\mu W/cm^2$ 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

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/cm^2
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 / < 1 A

* At 15 in / 38 cm

† At ambient conditions

USE RECOMMENDATIONS

NDT Method	Fluorescent Penetrant Testing and Fluorescent Magnetic Particle Inspection
Recommended Accessories	UV-A Meter, PN 625024 Visible Light Meter, PN 622338 UV-A Safety Glasses, PN 506249

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 NUMBERS

Series	Model	What's Different?	Part Number
EV6500	North America	North American Type B Electrical Plug	626803
	Europe	European Type F Electrical Plug	629677