

EagleEye-1™ UV-A LED LAMP INSPECTION KIT

Part No. EEX-1000



INTRODUCTION

The EagleEye-1™ EEX-1000 inspection kit contains the EEX-1000 lamp, a palm-sized, portable, versatile, hands-free light source featuring one ultra-high intensity UV-A LED for NDT testing. In addition, the lamp contains an adjustable strap so the lamp can be worn on a helmet or directly on the head for hands-free operation. EEX-1000 is ideal for a variety of specialized inspection applications.



WARNING

UV light emitted from this product. Avoid eye and skin exposure to unshielded products

FOR PROFESSIONAL EXAMINATION USE ONLY

IMPORTANT SAFETY INSTRUCTIONS (Read all instructions)

- Do not operate the lamp if it has been damaged.
- Do not look directly into the UV light. Wear UV-absorbing protective eyewear when operating this or any UV lamp. Never operate the lamp with the UV filter lens removed.
- Never use this equipment in any manner not specified in these instructions because your protection may be impaired.

FEATURES

- Instant-on operation. Reaches full UV-A intensity immediately.
- Lamp is equipped with antioxidant blacklight filter glass to minimize the visible light and increase the UV light.
- Fan-less mechanical cooling keeps light source cool to maintain optimum UV-A intensity during extended use.
- Powered by one rechargeable lithium-ion battery. Provides up to 4 hours of continuous inspection between charges.

TECHNICAL SPECIFICATIONS

Length.....	3.75 in (9.5 cm)
Width.....	2.25 in (5.7 cm)
Height.....	1.85 in (4.7 cm)
Weight (with battery).....	8 oz (227 g) (with battery)
Light Source.....	1 UV-A LED
Power Requirement.....	One 3.7V, 3000mAh lithium-ion battery
Continuous Run Time.....	5 hours
Charge Time.....	4 hours

KIT COMPONENTS

Unpack and inspect the components for possible damage in shipment. If any damage is noted, immediately notify the carrier and supplier and do not use the light source.



- 1) EagleEye-1™ EEX-1000 UV-A LED Lamp
- 2) Battery Charging Cradle
- 3) Charging Cradle Cord Set
- 4) Lithium Ion Batteries (2)
- 5) UV-Absorbing Spectacles
- 6) Protective Hard Carrying Case

*Each of the AC cords is fitted with the appropriate plug for the country of destination.

CHARGING AND USE

- Fully charge the batteries before first use.
- Place one to two batteries in the battery charging cradle with supplied power cord and connect the plug to the appropriate power source. The light on the battery charger will show green when charged and red when the battery is low. A full charge for two batteries will take approximately four hours.
- Place lamp on table facing up, lift rear rubber gasket exposing battery back compartment, Insert one Li-ion battery into the bottom row of the compartment positive end facing right and replace rubber gasket.
- The lamp will operate for up to five hours on a fully charged battery.
- Press the on/off switch on the rear side of the lamp (I = UV light), (O = off).

UV INTENSITY VERIFICATION

To ensure that your EagleEye-1™ EEX-1000 lamp is operating at the required UV intensity, it should be checked periodically. The AccuMAX™ XRP-3000 radiometer/photometer kit uses a UV-A sensor detector to accurately measure ultraviolet irradiance. For more information about these units, please contact the Customer Service Department at Spectro-UV. Call toll-free 1-866-230-7305.

CARE AND USE OF LITHIUM-ION (Li-ion) BATTERIES

- Do not allow Li-ion batteries to fully discharge frequently, since this will put a strain on the batteries. They will work more efficiently on multiple partial discharges through regular use (every 2-3 weeks), and frequent recharges.
- The batteries may be left in the battery cradle after charging. The charger automatically cuts the charge when the charge is full.
- Remove the batteries from the lamp and store it separately. Before prolonged storage (30 days or more), charge the battery for at least two hours. Store partially charged for best results.
- Store in a fairly cool environment away from sunlight, heat and humidity. Store the battery at temperatures between 5 °C and 20 °C (41 °F and 68 °F). NOTE: The battery self-discharges during storage. Higher temperatures (above 20 °C or 68 °F) will reduce the battery storage life.
- Lithium-Ion batteries are subject to disposal and recycling regulations that vary by country and region. Always check and follow your applicable regulations before disposing of any battery.

CARE AND MAINTENANCE OF LAMP

- Turn off lamp and ensure unit is cool before cleaning filter glass. Please use lens tissue, or non-dust cloth for cleaning.
- Be sure to use genuine EagleEye replacement parts. Using another manufacturer's parts could affect product performance and will void the lamp's warranty.

LIMITED WARRANTY

The warranty policy for the EEX-1000 is provided on the Certificate of Limited Warranty enclosed separately with each unit.