

# Elcometer 260 UV Pinhole Flashlight



Elcometer 260 UV Pinhole Flashlight

Battery powered and housed in a rugged aluminium case, the Elcometer 260 provides a quick, low cost method of testing coatings for pinholes.

Featuring a single Watt purple light emitting diode, the Elcometer 260 UV Flashlight has a beam wavelength of 405nm (±5nm), which the human eye perceives as a purple light.

A UV reflective additive is applied to the base coat. The UV flashlight shines the purple light on the coating, the base coat fluoresces where it is not covered by any subsequent coating - identifying any pinholes in the top coat.

Can be used in accordance with **ASTM E 2501**

- **Low cost and easy to use:**  
Use UV reflecting base coat and shine the purple light onto the surface. Any fluorescence identifies pinholes.
- **Rugged:**  
Manufactured from aluminium alloy and O-ring sealed to protect it from moisture and dust.
- **Portable and secure:**  
Battery powered and features a click-on/push off button with lockout tailcap to prevent accidental activation during transport or storage.

**Pinhole & Porosity Detection**  
Premature corrosion of a substrate is usually due to the failure of the coating. A major cause is the presence of flaws in the finished coating. Collectively referred to as a coating's porosity, the main types of flaw are describes below:

**Runs & Sags:** The wet coating moves under gravity leaving a thin dry film.

**Cratering:** Occurs when a coating does not re-flow to cover the voids generated by air bubbles being released from the surface of a coating.

**Pinholes:** Caused either by air entrapment which is then released from the surface, or by the entrapment of particles (dust, sand etc) which do not stay in place.

**Over Coating:** If too much coating is applied to a substrate, as it cures it can crack from the internal stresses of the coating.

**Under Coating:** Areas are not coated or the coating flows away from the particular edges, corners of a substrate and welds. Furthermore, over a rough surface profile, insufficient coating may leave the substrate profile peaks exposed.

TECHNICAL SPECIFICATION	
<b>Lens Type</b>	Dual-Element Diffuser
<b>Power Output</b>	1 watt
<b>Beam Wavelength</b>	405nm ±5nm
<b>Flashlight Casing</b>	Hard anodised aluminium
<b>Battery Type</b>	2 x CR123A lithium batteries
<b>Battery Life</b>	6 hours (continuous use)
<b>Dimensions</b>	150mm x 35mm (5.9" x 1.4")
<b>Weight</b>	173g (6.1oz)
<b>Part Number</b>	D260----2 Elcometer 260 UV Pinhole Flashlight
<b>Packing List</b>	Elcometer 260 UV Pinhole Flashlight, UV protective glasses, nylon belt holster, 2 x CR123A lithium batteries and operating instructions

ACCESSORIES	
Description	Part Number
UV Protective Glasses	T26020140
2 x CR123A Lithium Batteries	T26020141

## Related Products



Elcometer 270

### Elcometer 270 Pinhole Detectors

The Elcometer 270 range utilises the wet sponge technique and has been designed to set a new standard for wet sponge detectors - a high quality, low voltage detector with similar accessories to a high voltage spark tester.



Elcometer 266

### Elcometer 266 DC Holiday Detector

The Elcometer 266 revolutionises high voltage DC testing of coatings porosity detection making it safer, easier and more reliable than ever before.



Elcometer 236

### Elcometer 236 DC Holiday Detector

This instrument performs high voltage testing to detect pits, holes, flaws etc. in coatings. The Elcometer 236's convenient carry case allows the probe handle and accessories to be attached to the front making the Elcometer 236 ideal for field, site or laboratory inspection.

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