

**Elcometer 260**

**UV Pinhole Flashlight**

**Operating Instructions**



The product is Class B, Group 1 ISM equipment according to CISPR 11.

Group 1 ISM product: A product in which there is intentionally generated and/or used conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself.

Class B product is suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

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A copy of this Instruction Manual is available for download on our Website via [www.elcometer.com](http://www.elcometer.com)

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**T**hank you for your purchase of this Elcometer 260 Inspection Fluorescent UV Pinhole Flashlight.  
Welcome to Elcometer.

Elcometer are world leaders in the design, manufacture and supply of inspection equipment for concrete and coatings.

Our coatings products cover all aspects of coating inspection, from development through application to post application inspection. Our concrete products include a comprehensive range of concrete, utilities and civil engineering inspection equipment.

The Elcometer 260 UV Pinhole Flashlight is a world beating product. With the purchase of this product you now have access to the worldwide service and support network of Elcometer. For more information visit our website at [www.elcometer.com](http://www.elcometer.com)

## 1 ABOUT YOUR FLASHLIGHT

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The Elcometer 260 UV Pinhole Flashlight is fitted with a one-watt-maximum purple Class 1 LED module. Its beam has a wavelength of 405nm (+/-5nm), which the human eye perceives as a purple light.

Powered either by either two disposable CR123A lithium batteries, or a type 18650 rechargeable lithium ion battery, the Elcometer 260 UV Pinhole Flashlight has a battery life of approximately 6 hours.

Elcometer 260 UV Pinhole Flashlight incorporates digital current regulation circuitry to match the LED's current requirements to the batteries' output in order to achieve a consistent level of light output for the useable life of the batteries.

The Elcometer 260 UV Pinhole Flashlight features a click on/ click off switch and a lock-out tailcap to prevent the flashlight being switched on in transit.



### **Safety Warning:**

The Light-Emitting Diode (LED) used in this product emits Class 1 LED radiation. Do not look directly into the beam, shine the beam into another person's eye, or stare into the beam at close range, as this could result in eye damage. Do not expose bare, unprotected skin to the beam. When using the Elcometer 260, be aware of mirrors and / or reflective surfaces, as the beam can reflect back to the user or others nearby. Use this product only for its intended purpose, in a safe, responsible manner.

## 1.1 WHAT THE BOX CONTAINS

- Elcometer 260 UV Pinhole Flashlight
- Wrist Strap
- 2 x CR123A Lithium batteries
- UV Protective Glasses
- A nylon mesh belt holster
- Operating instructions

The product is packed in a cardboard and foam package. Please ensure that this packaging is disposed of in an environmentally sensitive manner. Consult your local Environmental Authority for further guidance.

**To maximise the benefits of your new Elcometer 260 UV Pinhole Flashlight please take some time to read these Operating Instructions. Do not hesitate to contact Elcometer or your Elcometer supplier if you have any questions.**

## 2 FITTING THE BATTERIES

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For optimum performance, use 123A lithium batteries. 2 x CR123A lithium batteries are supplied in the kit.

To fit or replace the batteries:

1. Unscrew the tailcap and insert new batteries with positive ends facing towards the LED assembly.
2. Replace tailcap and hand tighten.
3. Depress tailcap push button switch to test

*If batteries are inserted with positive ends facing towards the tailcap, the unit will not light. Damage will not occur. Re-insert batteries with positive ends facing towards the LED assembly.*



Lithium batteries can explode or cause burns if disassembled, shorted, recharged, or exposed to water, fire or high temperatures. Do not place loose batteries in a pocket, purse or other container containing metal objects, mix with used or other battery types, or store with hazardous or combustible materials. Store in a cool, dry, ventilated area. Disposal of batteries by fire, mutilation or disassembly may result in toxic chemical release and / or explosion.

Do not attempt to recharge disposable lithium batteries. Do not leave lithium ion rechargeable batteries unattended during recharging. Do not use an unprotected lithium ion rechargeable battery. Do not recharge lithium ion batteries in any chargers other than those designed for the specific battery types being used.

**Note:** *Lithium batteries must be disposed of carefully to avoid environmental contamination. Please consult your local Environmental Authority for information on disposal in your region.*

**Do not dispose of any batteries in fire.**

### 3 LIGHT ACTIVATION

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Partially depress the tailcap push button switch for momentary activation. For constant light, fully depress the tailcap push button switch to the “click-on” position. Turn off when changing the batteries.

Aim the flashlight towards the surface to be inspected and then turn on the beam. Wear the UV filter glasses provided to improve the contrast of defects in the fluorescent coating.

## 4 MAINTENANCE

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Periodically clean the flashlight and lens with a thin soft clean cloth slightly moistened with ordinary window cleaner. Clean and lubricate threads with a clean cloth and apply a thin coat of silicon-based lubricant to rubber o-ring seals.

**Note:** *Do not use petroleum based lubricant on o-ring seals and threads*

The Elcometer 260 UV Pinhole Flashlight does not contain any user-serviceable components. In the unlikely event of a fault, the gauge should be returned to your local Elcometer supplier or directly to Elcometer. The warranty will be invalidated if the instrument has been opened.

**Caution:** *The Elcometer 260 UV Pinhole Flashlight is a high-output lighting device and should not be left unattended. For storage or transport, remove batteries or unscrew tailcap until flashlight is disabled and cannot be accidentally activated.*



The flashlight emits very intense purple light. Do not look directly into the beam (of this or any other high-intensity flashlight), and avoid strongly reflected exposure.

## 5 TECHNICAL SPECIFICATION

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|                    |   |
|--------------------|---|
| Lens Type:         | Dual-Element Diffuser   |
| Power Output:      | 1 watt  |
| Dimensions:        | 150mm x 38mm (6" x 1.5")  |
| Weight:            | 6.1oz (175 grams)   |
| Beam Wavelength:   | 405nm +/-5nm  |
| Flashlight Casing: | Hard anodised aluminium   |
| Battery Life:      | 6 hours   |
| Battery Type:      | 2 x CR123A Lithium 3.0V 1300-1500mAH,<br>(or Optional Rechargeable 1 x 18650 Lithium Ion, 3.7Vm 2000-3000mAH) |

## 6 SPARES AND ACCESSORIES

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The following replacement and optional items are available from your local Elcometer supplier or direct from Elcometer:

| <b>Description</b>    | <b>Sales Part No.</b> |
|-----------------------|-----------------------|
| UV Protective Glasses | T26020140             |
| Lithium Battery (x2)  | T26020141             |