

Revelation 445/532nm Dual Laser



The **Revelation 445/532 nm Dual wavelength forensic laser** from Laser Innovations Ltd is a widely used and validated laser system for evidence recovery. The lightweight design (4 kg) incorporates a dual wavelength pistol grip type gun which is easy to clean with 10% bleach solution. This laser provides 8 Watts Blue at 445nm and 8 Watts Green at 532nm with exceptional operating times with the integrated battery.

The system includes an integrated touch screen for wavelength selection and power level selection. Like all the Revelation lasers the beam diffuser produces a square beam shape with uniform power intensity across the beam a feature liked by forensic practitioners for grid type searching.

Specifications

Wavelength	445nm and 532nm (Selectable)
Beam Quality	Uniform speckle free illumination
Output Power	8W @ 445 nm; 8W @ 532 nm
Bandwidth	Less than 0.5 nm
Control	Touch screen programming to control output power 1W – 8W 'Dead man finger' (Press for output / release no output) Override function to switch off dead man finger via touch screen control
Interlock	Safety interlock included (DB9 / D-sub connector)
Safety Standards	Complies with EN61010-1/IEC 61010-1 and EN60825-1 / IEC60825-1

Power requirements' for battery charging

Mains Voltage	90-240V AC
Frequency	50 Hz / 60 Hz
Power Consumption	70W Maximum; 60W Typical

Battery

Input Voltage	12.6 VDC
Battery Lifetime	Approx 14 Hours typical use @ 445nm Approx 7 hours typical use @532nm
Lifetime	>10,000 hours

Operating Conditions

Ambient temperature Range	5-40°C
Humidity	8-85%, non-condensing
Dimensions	22cm (L) x 11cm (W) x 16cm (H)
Weight	<4Kg

Kit Includes

- Ruggedised shock proof, water proof, carrying case
- Laser rated thin film safety goggles CE/EN certified x 2 (one for each wavelength)
- Camera Filters (Yellow and Orange) with 62mm thread mount
- Battery charger
- User manual

Applications

- Latent fingerprints
- Naturally fluorescent fingerprints
- Body fluids
- GSR
- Bone fragments
- Hair Fibres
- Bruises



Laser Innovations Limited, Welsh Mill. Park Hill Drive, Frome, Somerset, BA11 1LE

Tel +44 1638 576580