

Revelation Cordless Dual 445/532 System



Laser Innovations (UK) Limited,

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The **Revelation Cordless Dual wavelength** portable forensic laser from Laser Innovations Ltd is the latest compact laser in the Revelation family of products. With DNA cross contamination in mind this system is ultra-lightweight (1.5 kg) and easy to clean with 10% bleach solution. This laser provides 7 Watts Blue at 445nm and 7 Watts Green at 532nm.

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 7W @ 445 nm; 7W 532nm +/- 1nm

Bandwidth Less than 0.5 nm

Control Touch screen programming to control output power 1W – Max

Automatic wavelength detection dependent on which detector is

connected

'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 Compiles 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 84W Maximum; 60W Typical

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Battery

Input Voltage 12.6 VDC

Battery Lifetime Approx 3 Hours typical use @ 445 nm per battery

Approx 1.5 hours typical use @ 532 nm per battery

Lifetime >2,000-3,000 hours

Operating Conditions

Ambient temperature Range 5-40°C

Humidity 8-85%, non-condensing

Dimensions 11cm (L) x 6cm (W) x 30cm (H)

Weight 1.5Kg

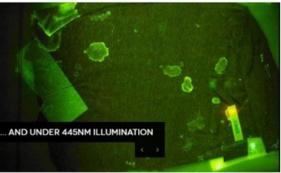
Kit Includes

- Ruggedised shock proof, water proof, carrying case
- Laser rated thin film plastic safety goggles x 2 (Yellow and Orange one of each)
- Camera Filters (Yellow and Orange) with 62mm or 67mm Attachment
- 3 x rechargeable lithium Ion batteries
- 1 x mains battery charger
- 1 x mains adaptor for direct use from 240Vac power supply

Applications

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





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