

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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