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Forensic Laser System

Forensic laser system is designed for the most versatile use in the field or lab environment for illumination and detection of evidence. Laser light sources can be used to reveal this evidence by either fluorescence or enhanced contrast. Fluorescence occurs when a material absorb light of one color and then re-emits it virtually simultaneously as a different color. A material can be illuminated in the blue or green then viewed with filter goggles that only pass orange or red.

Models:

OR-GJG4000A: Green laser 532nm

OR-GJG4000B: Blue laser 445nm

OR-GJG4000H: green laser 532nm, blue laser 445nm, and CSS(mixture light of 532nm and 445nm).

Features:

➢ Designed for laboratory or field operation;

➢ Equipped with build-in Li-ion batteries;

➢ DC operation available;

➢ Illuminating even light beam output;

➢ Integrating three wavelengths lasers, optical fiber, operated handle, carrying canvas bag, etc.

➢ Removable safety key;

➢ Tripod mount on underside of operated handle;

➢ Power intensity adjustable;

Specifications:

➢ Wavelengths & Power:

     445nm 7-8W

     532nm 4W

     CSS   7-8W

➢ Illuminating beam size:
     DIA. at 0.5m: ≥ 7CM
     DIA. at 2m: ≥ 28CM

➢ Power supply: 220V changer of lithium-ion battery or DC16.8V lithium battery pack

➢ Batteries: build-in Li-ion batteries; Capacity: 12Ah; Charging current:DC16.8V

➢ Output mode: 400μm multimode optical fiber; Fiber length: 1.3m

➢ System size: L300*W125*H170mm

➢ Weight: JG4000A/B: ≤3Kg; JG4000H: ≤6Kg

United Social Credit Code(Business Licence): 91330104736016531K

ISO 9001 Certified

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Main functions:

Enhance contrast or detect the fluorescence reaction of the material evidence such as fingerprint (on metal surface, plastic mat and duplicating paper), saliva, seminal stain, bloodstain trace, urine trace, fiber, bonesnap, gunshot residue on the textile, etc.

Product Display

Effect Pic.:

SEMEN STAIN 精斑

SALIVA 唾液

FIBRE enhanced with LASER 纤维

TRACES 痕迹

COVERED WRITING ON WALL 透视

FIGNERPRINT ON WOOD MATERIAL 木面指纹