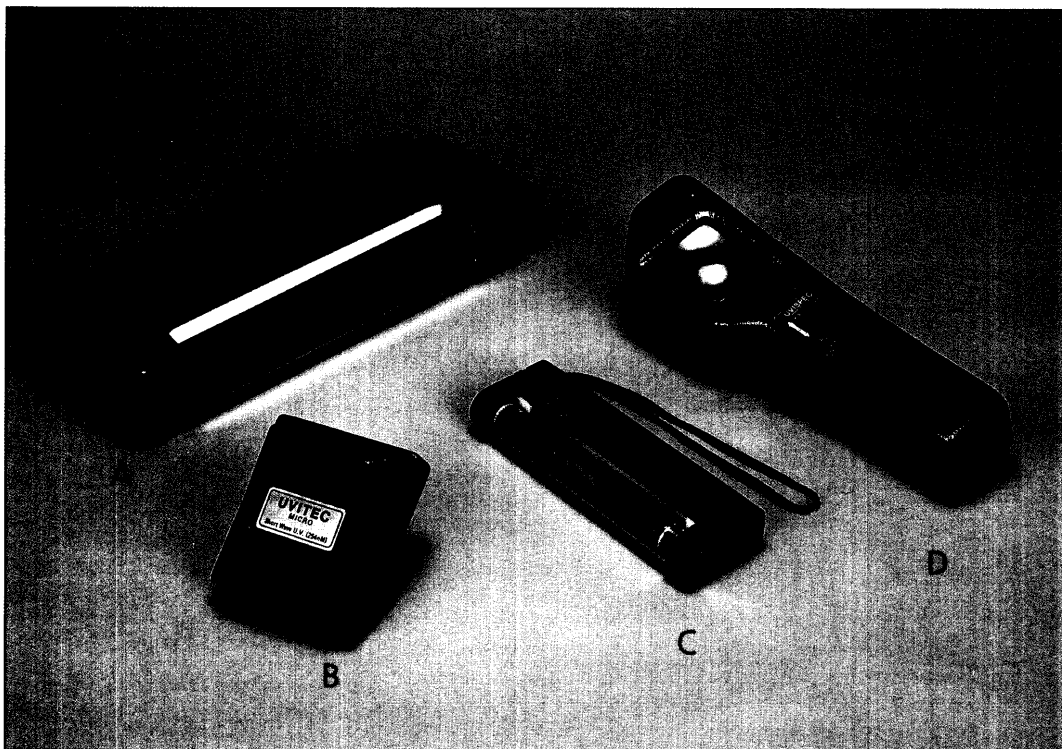


# UV SYSTEMS

## PORTABLE ULTRAVIOLET HANDLAMPS

108-8 79



UV Systems stock a broad range of portable ultraviolet handlamps for industrial and scientific use. Different light sources optimised for specific applications offer maximum brightness over the illuminated area.

### TYPICAL APPLICATIONS

- EXAMINATION OF LUMINESCENT EFFECTS ON POSTAGE STAMPS.
- HIGHLIGHTING FORGED DOCUMENTS AND WORKS OF ART
- MINERALS AND GEM STONE EXAMINATION
- SKIN AILMENTS ON PEOPLE AND ANIMALS
- INVISIBLE SECURITY MARK DETECTION
- DISPLAYING CONTAMINANTS IN TEXTILES
- FLUORESCENT ADDITIVES IN ADHESIVES, PAINTS AND SPRAYS.
- CRACK DETECTION USING FLUORESCENT DYES.
- SMALL SCALE UV PHOTOCHEMICAL PROCESSES.

## TECHNICAL DETAILS

### DETECTOR LAMP (a)

Large Blacklight Blue handlamp with high efficiency reflector and 9 inch illumination length.

LAMP	6 INCH, F6T5 BLB
OUTPUT	TYPICALLY 0.6 mW /cm <sup>2</sup> @ 5cm
WAVELENGTH	LONGWAVE, PEAK 360nm
BATTERIES	6 X SP2, DRY CELL
SIZE	265 x 110 x 46 mm
WEIGHT	1 kg (with batteries)

### MICRO (b)

Miniature pocket lamp with viewing shroud and different light sources to suit philatelic enthusiasts and other small area examination.

LAMP	RAMLEY 3 INCH, ELECTRODELESS
BATTERIES	4 X AA, DRY CELL
SIZE	78 x 85 x 25 mm
WEIGHT	160 gm (with batteries)

### MINI LAMP (c)

Small Blacklight Blue handlamp offering a six inch illumination length.

LAMP	6 INCH, F4T5 BLB
OUTPUT	TYPICALLY 0.3 mW/cm <sup>2</sup> @ 5cm
WAVELENGTH	LONGWAVE, PEAK 360 nm
BATTERIES	4 x AA, DRY CELL
SIZE	160 x 53 x 24 mm
WEIGHT	200 gm (with batteries)

### UVISPEC (d)

Versatile multi - wavelength rechargeable lamp with magnifier for rapid U V scanning and inspection.

LAMP	VISIBLE - 3 WATT FILAMENT BULB
UV	F4T5 BLB
LENS	50 X 40 mm x 3 mag
VIEWING AREA	45 X 40 mm
SIZE	250 X 75 X 100 mm
WEIGHT	450 gm

For mains powered UV Lamps see other leaflet.

For further information please contact,

## UV SYSTEMS LTD.

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#### VERSIONS

MICRO 'S' - Short Wave. For all Phosphors and Fluorescers at 254 nm.  
Peak intensity (SW) at 3 cm from window = 1.8mW/cm<sup>2</sup>

MICRO 'L' - Long Wave. For improved performance on phosphors reacting to 360 nm activation.  
Peak intensity (LW) at 3 cm from window = 1.2mW/cm<sup>2</sup>

MICRO 'D' - Dual Wavelength. For applications where an instant comparison between phosphor reactions under SW and LW are required i.e. mineralogy, gemology, etc. Contains a SW lamp with a movable shutter which converts SW to LW as desired.  
Peak intensity SW at 3 cm from window = 1.8 mW/cm<sup>2</sup>  
Peak intensity LW at 3 cm from window = 0.5 mW/cm<sup>2</sup>

#### VERSIONS

UVISPEC 'L' - Long-Wave U V + VISIBLE  
PEAK INTENSITY AT VIEWING - SURFACE  
5mW/cm<sup>2</sup>

UVISPEC 'D' - Combination of 'L' and 'S' featuring longwave, shortwave and visible lamps.

UVISPEC 'S' - Short Wave + visible Peak intensity at viewing surface - 5 mW/cm<sup>2</sup>.

#### OPTIONS (UVISPEC)

110 OR 220/240 V MAINS CHARGER  
ADDITIONAL LENS FOR X6 MAGNIFICATION  
CAR BATTERY LEAD

