UV Crosslinker Box

(254nm/185nm)

The UVCG Crosslinker is a laboratory instrument used for crosslinking nucleic acids to a solid support using high-energy deep ultraviolet (UV) light, as well as to sterilize equipment and surfaces. It is a compact benchtop device with a built-in UV source and a programmable timer for controlling exposure time. The crosslinker emits UV light at a short wavelength of 254 nm and 185nm, which is absorbed by the nucleic acids and causes covalent bonds to form between the nucleic acids and the solid support. The crosslinker is commonly used in molecular biology research laboratories for applications such as Southern and Northern blotting, colony hybridization, and library screening, as well as for DNA-protein crosslinking and UV-induced mutagenesis. The UVCG Crosslinker is known for its reliability and ease of use. It has a timer from 1 to 60 minutes to automatically shut off and a safety switch that shut off when the lid is open.

Features

- Low Cost
- High Reliability
- Deep UV 254/185nm
- Timber 1-60 minutes
- 35mW/cm² Optical Power

Applications

- Lab
- Hospitals
- Clinic

Specifications

Parameters		Min	Typical	Max	Unit
Operation Wavelength		185	254	270	nm
Operation Mode			CW		
Output Optical Power	254nm		35		mW/cm²
	184nm		12		
Light Bulb Electrical Power			8		W
Operating Temperature		-5		35	°C
Storage Temperature		-40		85	°C
Electrical Power Consumption				15	W
Power Input		110		220	VAC
Inside Dimension		11cm x 19cm x 31cm			

WARNING

- UV is harmful to the eye. A shield should be used when operating the tool.
- High-intensity light can ignite a fire. Do not place combusting materials at the light focus spot.

Rev 07/24/24

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Operation Manual

- Plug AC power
- Turn ON The Black-Color Power Switch located on the back
- Put Items Inside The Box and Close The Lid
- Set The Timer
- Push The Red-Color On Button to Turn The UV Light On
- Wait Till The Light Automatically Off, Open The Lid and Remove The Items

Mechanical Dimension

11cmx19cmx31cm

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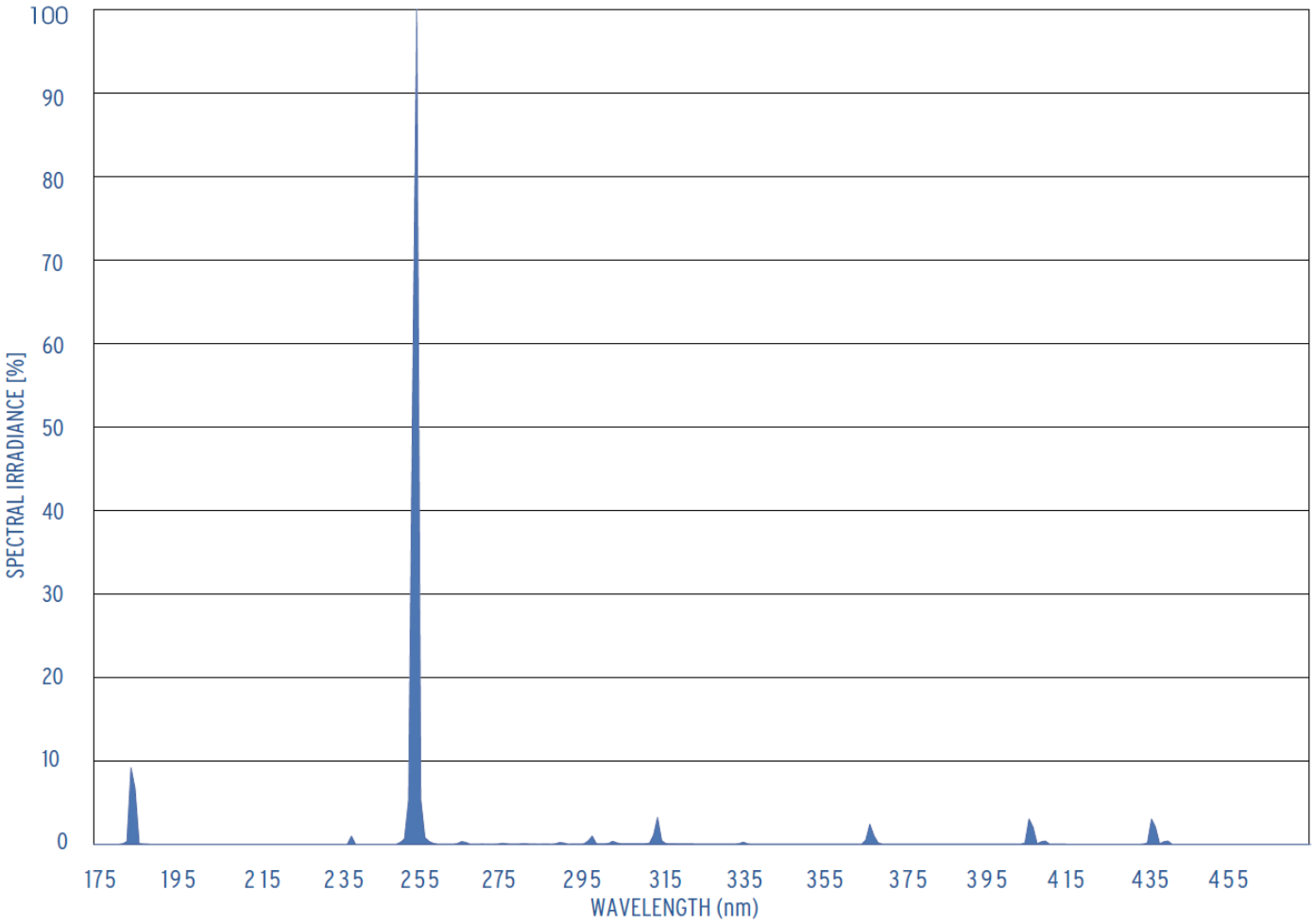
Typical Emission Spectrum



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Ordering Information

	2	03	1	1	1	1	1	1
Prefix		Output Power		Spectral Width	Power Supply			
UVCG-		35mW/cm² = 03 Special = 00			120-220V = 1			

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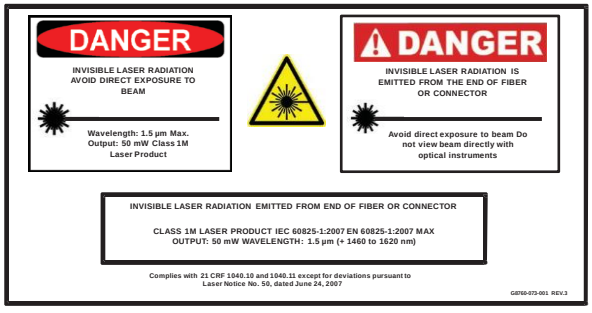
UV Light Safety

This product meets the appropriate standard in Title 21 of the Code of Federal Regulations (CFR). FDA/CDRH Class 1M laser product. This device has been classified with the FDA/CDRH under accession number 0220191. All versions of this laser are Class 1M laser products, tested according to IEC 60825-1:2007 / EN 60825-1:2007. An additional warning for Class 1M laser products. For diverging beams, this warning shall state that viewing the laser output with certain optical instruments (for example eye loupes, magnifiers, and microscopes) within a distance of 100 mm may pose an eye hazard. For collimated beams, this warning shall state that viewing the laser output with certain instruments designed for use at a distance (for example telescopes and binoculars) may pose an eye hazard.

Wavelength = 1.3/1.5 μm.

Maximum power = 30 mW.



*Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
*IEC is a registered trademark of the International Electrotechnical Commission.

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