

## UV Crosslinker CL Series

### Description

The compact crosslinkers of the CL series are completely microprocessor-controlled UV irradiation systems. They are suitable for DNA crosslinking and the elimination of PCR contaminations. The integrated UV programming system guarantees highest precision.

### Applications

- UV induced mutations
- Membrane crosslinking
- Biomolecular crosslinking
- UV dose calibrated to a NIST traceable standard

### Specifications

- Built-in radiometer calibrated to a NIST traceable standard enables precise and accurate dosing to obviate end-user calibration
- Safety interlocks to prevent users from accidental UV exposure
- Extensive publications (on demand)
- Highly-uniform surface illumination
- Compact-size to accommodate limited lab space

### Shortwave UV (UVC) for Disinfection

Ultraviolet light is considered an ancillary disinfectant to chemical disinfectants in the healthcare environment. Crosslinker CL-3000 is capable of producing a cumulative dosage of  $1 \text{ J/cm}^2$ , this is considered well beyond the requirement needed for disinfection. It provides nearuniform UVC light with a approx. 10% coefficient of variation and less than  $2 \text{ mJ/cm}^2$  difference between the highest and lowest reading.

Most importantly, the CL-3000 has real-time monitoring of UVC dosage to assure reproducible dosing irrespective of space and time.

### Immobilization of Nucleic Acids to Membranes

The UVP Crosslinker is a microprocessor controlled UV irradiation system dedicated to nucleic acid linking to membranes for Southern, Northern, Dot and Slot Blot applications.



Crosslinker CL Series



Crosslinker CL Series open

### Microprocessor Controlled Reproducibility

The programmable microprocessor constantly monitors the UV light emission. Irradiation stops exactly when the programmed energy is achieved. Thus, the effect of decreasing UV intensity due to bulb aging is compensated for.

### Durability

The crosslinkers combine the latest UV technology with high quality manufacturing: aluminum UV exposure chamber, protective quartz disk on the UV sensor cell, and a highly resistant and easy-to-clean keypad and housing.

### Ease of use

The large display provides a series of predefined methods, making the UVP Crosslinker an easy to use yet powerful instrument for immobilization of nucleic acids to membranes. The programmed data are shown on the LED display.

## UV Crosslinker CL Series



### Technical Data

Model	CL-3000	CL-3000 M	CL-3000 L
Wavelength	254 nm for Disinfection	302 nm	365 nm
Order number	110.4305	110.4301	110.4302
Bulbs	6 x 8 Watt		
Energy	0000.1 - 9999.9 mJ/cm <sup>2</sup> (0 - 10 J/cm <sup>2</sup> )		
Time	000:01 - 999:59 (>300 J/cm <sup>2</sup> )		
Temperature	15°C – 35°C		
Humidity	70% Non-Condensing		
Altitude	up to 3.000 m (9,842 ft)		
Sound Level	≤ 50 dB		
Housing Surface Temp	≤ 30°C		
Startup Time	< 1 sec		
External Dimensions (WxDxH)	41 cm x 40 cm x 26,5 cm		
External Dimensions (WxDxH)	35 cm x 27 cm x 16 cm		
Weight	6.8 kg: 15 lb		
Power	230 VAC 50/60Hz		
Certifications	CE, RoHS (CSA in Process)		