

SPECTROLINKER™

UV Crosslinker & Sanitizing Cabinet

SPECTRO-UV®

Monitor UV Radiation and self-adjust to variations in UV intensity.

All Spectro-UV UV crosslinkers feature a “smart” microprocessor controller and unique true UV monitoring circuitry to enable users to get error-free results with speed, accuracy and safety. These units are built specifically to eliminate time-consuming adjustments, unnecessary repetitive programming and unwarranted risk of sample damage.



Key Features

- Covalently binds nucleic acid sequences and hybridization membranes in 30 seconds or less.
- Safeguards your valuable test results from washouts
- Ensures optimum nucleic acid membrane binding, even when UV output varies
- Provides ultimate ease of use and accuracy with “Smart” microprocessor controller
- Protects users from UV exposure with fully enclosed chamber

Programmable “Smart” Microprocessor Controller:

- LED-function indicators and color-coded keypad
- Built-in “help” messages
- Four operation modes
- Auto Repeat function remembers last operation without reprogramming

Built-in “help” Messages:

- Bulb: When the UV tubes need to be replaced
- Door open: the unit also protects users from accidental UV radiation when the door is opened during a run
- End: End of cycle confirmed with display and audible beep
- Remaining Time/Energy provides operation status report
- When the operation has been interrupted. The RESET button cancels the latest settings and START button automatically resumes the current operation

Part Number	Overall Housing Dimensions (W x H x D)	Effective Inner Chamber Dimensions (W x H x D)	Door Dimensions (W x H)	Viewing Window Dimensions (W x H)	Net Weight	Power	Wavelength	Tubes
XL-1000	19.5" x 10.5" x 9" (49.5 x 26.7 x 22.9 cm)	13.5" x 7" x 7.5" (34.3 x 17.8 x 19.1 cm)	12" x 6.25" (30.5 x 15.9 cm)	6" x 2.5" (15.2 x 6.4 cm)	17.5 lb (7.9 kg)	120V-60Hz-2A, 230V-50Hz-2A, 100V-50/60Hz-2A	254 nm	(5) 8W SW, BLE-8T254
XL-1500	24" x 10.5" x 14" (61 x 26.7 x 35.6 cm)	18.25" x 6.25" x 12.5" (46.4 x 15.9 x 31.8 cm)	16" x 6.25" (40.6 x 15.9 cm)	6" x 2.5" (15.2 x 6.4 cm)	26 lb (11.8 kg)	120V-60Hz-3A, 230V-50Hz-3A, 100V-50/60Hz-3A	254 nm	(6) 15W SW, BLE-1T155

Delivers 1,000 mJ/cm² in just 2 minutes!

Our Spectrolinker UV Crosslinkers are designed with flexibility in mind. Here's the science behind it:

The Formula: Time (seconds) = Energy ($\mu\text{J}/\text{cm}^2$) \div Intensity ($\mu\text{W}/\text{cm}^2$)

The Calculation:

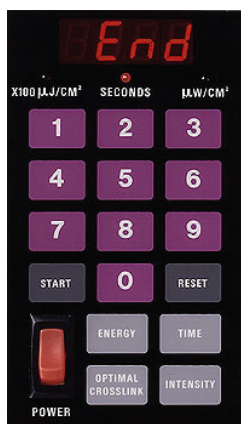
- Desired Energy: 1,000 mJ/cm² (1,000,000 $\mu\text{J}/\text{cm}^2$)
- XL-1000 Intensity: 6,500 $\mu\text{W}/\text{cm}^2$
- Time Required: ~154 seconds (approximately 2.5 minutes)

Why This Matters: The XL-1000 and XL-1500 offer FOUR flexible operation modes to match your specific lab needs:

1. **Energy Mode:** Set precise doses from 100 $\mu\text{J}/\text{cm}^2$ to 999,900 $\mu\text{J}/\text{cm}^2$
2. **Optimal Crosslink:** Pre-programmed at 120,000 $\mu\text{J}/\text{cm}^2$ for consistent results
3. **Intensity Mode:** Maximum output (XL-1000: 6,500 $\mu\text{W}/\text{cm}^2$ | XL-1500: 9,000 $\mu\text{W}/\text{cm}^2$)
4. **Time Mode:** Run from 1 to 9,999 seconds at maximum intensity

The Smart Advantage: Our “smart” microprocessor monitors UV radiation in real-time and self-adjusts to variations, ensuring error-free results every time, even when the UV output varies.

Whether you're crosslinking nucleic acids, hybridization membranes or sanitizing your workspace, Spectrolinker delivers speed, accuracy and safety.



Programmable “Smart” Microprocessor Controller:

- LED-function indicators and color-coded keypad
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