

INTENSE PULSED LIGHT SYSTEM XeMaticA-2L

manually operated 1-2 lamps R&D system

for evaluation tests in food, pharmaceutical, cosmetic, bio-medical, and tech. applications:

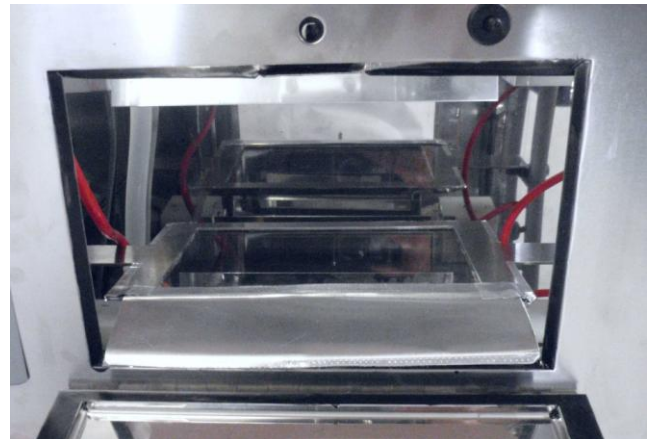


Main features:

- two flash lamps modules 20 cm long with parabolic 98% reflectors –one above UV and another is under transparent shelf;
- choices to operate both at the same time or only the upper lamp.
- pulse energies are **100J** to **1000J** dialled from the front display,
- operating both lamps simultaneously splits dialled energy equally between both lamps.
- single pulsing by pressing the red button after dialling the energy by the green button and controlling it with the analogue kV,

PL chamber:

20 cm wide x 24 cm high x 18 cm deep, walls are covered with 98% reflectors, with +/-20% UV uniformity within the UV chamber and full sample coverage by UV at both lamps pulsing.



UV chamber is safe for a use since during operations the door of PL chamber is locked automatically and seals out leaks of UV light, EM field or Ozone.

Free options before ordering

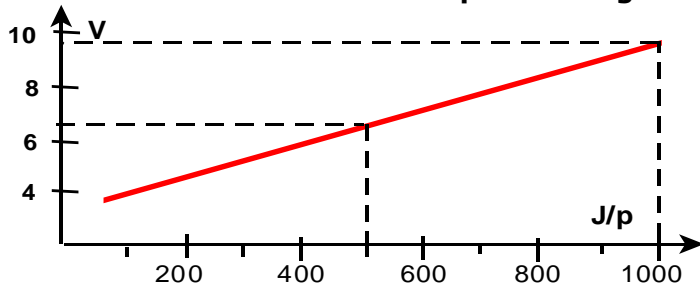
- the position of the max spectral output up to 35% from UVC to IR on request,
- one lamp version with twice longer (40cm) flash lamp and 40 cm long UV chamber,
- UV and current controls: - free positioned UVC sensor with 2 BNC outputs. One for UV another is for pulsed current. PC Scope is included.

Sterilization UV efficiency:

for bacteria: up to 6 logs /pulse,
for common spores: up to 4 logs /pulse.

- Xe gas (no Mercury!) air-cooled flash-lamps with pulsed power load up to **10-25 J/cm**,
- Max UVC flux to a product: **1-2 J/cm²/pulse**.

Voltmeter chart V > J to select pulse energies:



EI connection:

208-240 VAC, one phase, 50-60 Hz, 300 w for air cooled, 1.5kw for water cooled.

Size, Weight, Enclosure Material:

60 cm wide x 40 cm high x 53 cm deep, polished stainless-steel, weight 42 kg.

This is our upgraded Pulsed Light two lamp R&D system, our similar systems are working at many universities and production labs worldwide.