PRODUCT INFORMATION



PhotoLAB PX9



PhotoLAB PX9 mounted on Titramax 1000 (no included)

PhotoLAB PX9 Screening Device

Multi Vial Photoreactor for controllable wavelength screening!

The PX9 is a new generation of modular wavelength screening devices and the smallest pulsed flow photoreactor in the series. With this compact tool, you can measure which wavelength is initiating your photochemical process. It can be equipped with up to nine vials having a volume of 8 ml each. Thanks to an operation mode keeping the power and radiation flux constant, a 1:1 comparison of different wavelength is possible.

The irradiation modules can be equipped with nine different wavelength or alternatively nine equal wavelengths placed in a cassette. These cassettes are modular and can be changed easily. A touch panel allows an individual dimming of the 9x LEDs.

As an option, the PX9 can be mounted on a platform shaker (like Heidolph Titramax 1000) for homogenous mixing of slurries.

Main Characteristics

- Parallel irradiation of 9 vials (8 mL).
- Available from 365 nm to 625 nm (1.1 W to 1.9 W per LED).
- Reaction temperature control from -20 °C to 80 °C.
- Interchangeable irradiation modules.
- Multiple wavelength options from 365 nm to 625 nm.

  OPCIÓN 1: 9 LEDs with different wavelengths (wavelength screening).

  OPCIÓN 2: 9 LEDs with identical wavelength (parallel screening of concentrations and reagents).
- Independent radiant flux adjustment for each LED via touchscreen.
- Constant radiant power output throughout the reaction.
- Automatic safety shut-off upon lid opening.
- Overheat protection system.
- Scalable photochemical results enabling seamless transition to larger batch photoreactors and continuous-flow microphotoreactors.

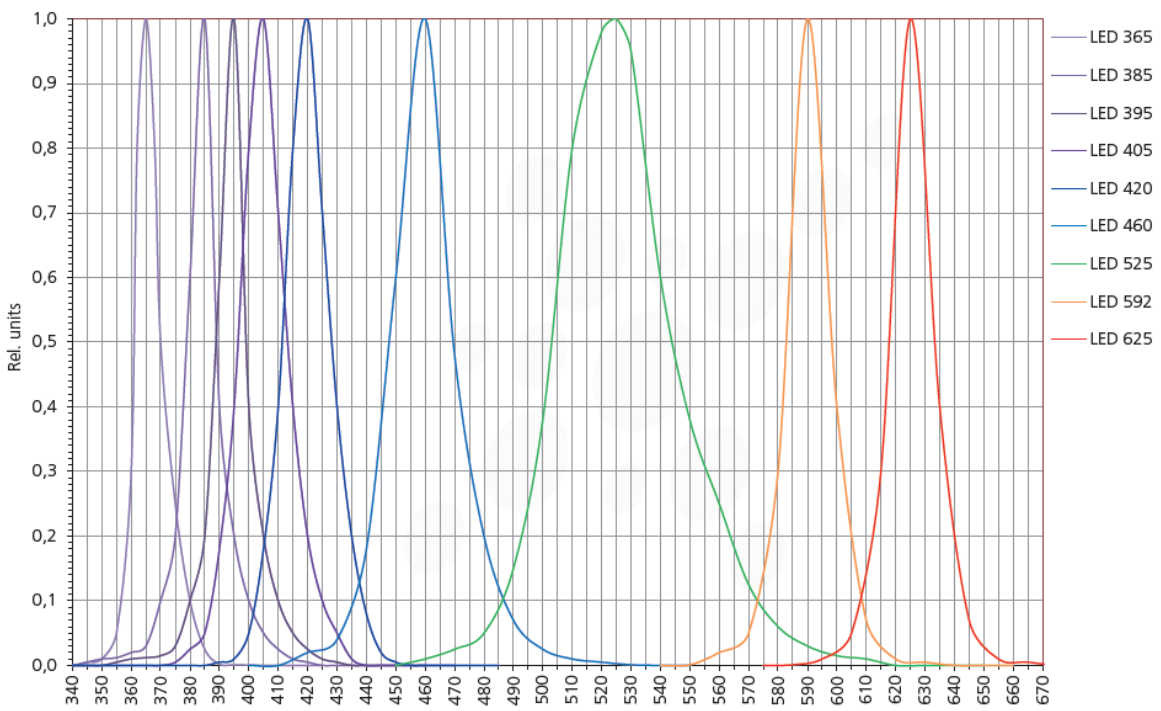
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Technical features

Equipement specifications	
Product name	photoLAB PX9
Dimensions	160mm x 190mm x 100mm
Aproximate Weight	5kg
Material	Aluminium (elox.), Stainless steel y PVDF (Polyvinylidene fluoride)
Test components	9 borosilicate glass or quartz vials
Optional	The integration of a shaking platform provides: -Mountable on laboratory shaking platforms. -Homogeneous mixing across all reaction vials. -Designed for high-viscosity reaction media and viscous reagents.

Espectrum:



Photos:



Vials of 9x8mm



Interchangeable modules



Touchscreen interface for LED control

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