

RadPro

...Radiation Protection for the Radiation Professionals...

PSLfood⁺

manual OSL Reader

Compact

IR & Blue

PSLfood – Compact PSL System for reliable detection of Irradiated Food

Discover PSLfood, the smart and portable PSL system (OSL Reader) designed to make food irradiation testing faster, easier, and more reliable.

Fully compliant with EN 13751:2009, PSLfood ensures accurate results wherever you need them – from the lab to on-site inspections.

With its intuitive software and compact design, PSLfood combines powerful performance with maximum user convenience. It's lightweight, easy to handle, and ready for use in laboratories, mobile units, and quality control environments.

Why PSLfood?

- Certified compliance with EN 13751:2009
- Space-saving, compact design
- Optimized for standard Petri dishes (Ø 50 mm, height 20 mm)
- Effortless cleaning with removable tray and protective glass
- Smart, user-friendly software for smooth operation



Filter changer

Device	PC controlled OSL reader for food and other samples
Stimulation	Software selectable LED stimulation IR, 850 nm or blue, 458 nm with adjustable stimulation power (5 - 50 mW/cm²)
Detection unit	Photosensor (300-650 nm), Peltier element temperature stabilized
Detection filter	IR blocked (BG39 D25x3) Blue blocked (U340 + BP365/50)
Sample drawer	Automatic, removeable, easy to clean for Petri dishes Ø 50 mm x 20 mm
Protection Glass against sample spill	removeable, easy to clean
Measurement range	6 decades
Stability	Better than 1%
Automatic System Check	Reference LED and Dark counts measurement
Software	State-of-the-art Windows software Easy to use, designed for routine quality control, result table and signal display, different user levels, automatic data storage
Evaluation	User programable recipes Thresholds, stimulation power and duration, settable
Data output	pdf report, csv export
PC connection	LAN to PC
Power supply voltage	100 – 240 V, 50 - 60 Hz
Power consumption	200 VA
Dimension approx.	160 mm x 180 mm x 265 mm (W x D x H)
Weight approx.	7.5 kg
Dimension carrying case	230 mm x 240 mm x 460 mm
Weight incl. case	12.5 kg

