



Email : sales@laboratoryinstrumentindia.com

Product Name :
Phototherapy irradiance meter

Product Code :
LBNY-0017-2200034



www.laboratoryinstrumentindia.com

Description :

A tool to measure the intensity and frequency spectrum of light sources used for the treatment of hyperbilirubinemia. Irradiance meter to measure the output of blue light phototherapy units for treatment of jaundice.

Suitable for conventional CFL (fluorescent), halogen blue light sources.

Suitable for fiberoptic, and LED light sources.

Designed for frequent disinfection with hospital-grade products.

Portable, handheld model.

Results are available within 5 seconds after commencement of the measurement.

Two models available, one model requires 2 x AAA alkaline batteries, another model has a built-in rechargeable lithium-ion battery.

The sensitivity is equal to or better than: 0.1 $\mu\text{W}/\text{cm}^2/\text{nm}$.

Automatic zero adjustment at instrument switch-on.

Full batteries allow for 8 hours continuous operation for the rechargeable version and 120 hours for the version with 2 x AAA alkaline batteries.

The spectral range for blue light is equal to or better than: 400 – 500 nm.

The spectral irradiance (in wavelength) range is equal to or better than: 0.1 – 150 $\mu\text{W}/\text{cm}^2/\text{nm}$.

The unit has the following minimal features:

A self-check function.

LCD display clearly visualizing measurement results and other information.

Out of measurement range indicator.

Alarms for detector and/or system failure.

Low battery indicator.

An auto switch-off feature.

Technical Specification :

ENVIRONMENTAL CONDITIONS

Storage conditions: 0°C - 50°C / 90% RH.

Operating conditions: 10°C - 30°C / 90% RH.

WEIGHT AND VOLUME

Volume: 0.459 dm³.

Weight: 0.250 kg.



Laboratory Instrument India