Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Spectral Lamp Power Supply with Lamp Holder

Product Code :

SLE/PHY/298



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Description :

Spectral Lamp Power Supply with Lamp Holder (Product Code: SLE/PHY/298) is a compact spectral light source used to provide bright line-spectrum illumination for optics experiments and atomic absorption (AA) spectrometry in college and school laboratories. The lamp stands inside a black protective tube on top of the power unit, and turning the outer sleeve selects differently shaped apertures. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for physics and chemistry teaching labs.

Key Details

Parameter	Detail
Configuration	Compact spectral lamp combined with its power supply
Lamp mounting	Inside a black protective tube standing up from the top of the power unit
Apertures	Different shaped apertures selected by rotating the outer sleeve of the lamp cover
Light output	Bright, intense light, unlike the dull light available from spectrum tubes
Applications	Optical work and AA spectrometry
Product code	SLE/PHY/298
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Spectral Lamp Power Supply Used For?

Spectrum tubes are easy to show but often too faint for accurate spectrometer readings. This unit solves that by pairing a spectral lamp with its own supply in one compact housing, giving an intense line source that can be placed right against the spectrometer slit. Students use it to measure spectral line positions with a prism or diffraction grating, to find wavelengths, and to provide the monochromatic light needed for interference experiments.

The rotating sleeve is a practical touch: choosing a suitable aperture shape cuts stray light and matches the beam to the slit or optical set-up, while the black tube keeps glare away from the observer. For chemistry and instrumentation courses, the same bright source demonstrates the principle of atomic absorption. Switch on a few minutes before readings so the output settles, and let the lamp cool before handling it.

What to Specify When Ordering

- Number of units required.
- Which spectral lamp element or elements you need, such as sodium.
- Mains voltage and frequency at your laboratory.
- Whether spare lamps or a spectrometer should be added to the quotation.

Supplier

Jain S p
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