

MSSLSDW

Deuterium Tungsten-Halogen

LIGHT SOURCE

Great Stability

UV-Vis-NIR Spectral Range

Lamp and Shutter Selector

SMA Optical Fiber Connector



A COMPACT LIGHT SOURCE

LS-DW is a compact light source that combines the continuous spectrum of deuterium and tungsten lamps into a single optical fiber SMA connector. The combined spectrum produces a stable output and delivers the ideal light intensity for most absorbance and transmittance measurements ranging from 185 to 1100 nm.

SELECT ONLY THE LAMP YOU NEED

The DW light source has an integrated lamp selector that allows you to choose between a single and combined deuterium and tungsten-halogen lamp operation, according to your spectral region of interest.

SHUTTER FOR MAXIMUM PERFORMANCE

The built-in shutter controller included on the DW light source enables a simple operation for dark measurements or reducing the exposure of samples to UV light without the need for shutting off the light source, resulting in a more stable and extended lifetime.

Absorbance with Cuvettes

SETUP EXAMPLE

1. DW Light Source
2. Optical Fibers
3. Standard Cuvette Holder
4. FLEX Spectrometer



Specifications Table

Wavelength Range	Deuterium Lamp Lifetime	Tungsten Lamp Lifetime
185-1100nm	~ 1000 h	~ 2000 h
Local Operation	SMA Optical Fiber Connector	Warm-up Time
Power, shutter and lamp selector	SMA 905	Approx. 15 min.
Remote Operation	Power Consumption (max.)	Power Requirements
No	6W	12 VDC / 0.6 ADC
Dimensions	Weight	
200 (L) x 65 (W) x 65 (H) mm	800 gr	