

MSSLSDWHP

High Power Deuterium Tungsten-Halogen

LIGHT SOURCE

High Power, Great Performance

UV-Vis-NIR Spectral Range

Shutter Controller and Lamp Selector

Built-in Filter Slot

SMA Optical Fiber Connector



A POWERFUL LIGHT SOURCE

The combination of a 30-watt deuterium lamp with a 7-watt tungsten-halogen lamp in a shine-through configuration provides DWHP light source with high intensity over the entire UV-Vis-NIR range. For maximum light efficiency, DWHP light source incorporates an adjustable 12.7 mm collimating lens.

SELECT ONLY THE LAMP YOU NEED

DWHP light source has an integrated lamp selector that allows you to choose between an individual 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 DWHP light source enables either a simple operation for dark measurements or a reduction of 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 Flow Cell

SETUP EXAMPLE

1. MSSLSDWHP Light Source
2. Optical Fibers
3. Flow Cell
4. Spectrometer



Specifications Table

Wavelength Range	Deuterium lamp power	Tungsten-Halogen lamp power
180-2500 nm	30 W	7W
Deuterium lamp lifetime	Tungsten-Halogen lamp lifetime	Local operation
~ 2000 h	~ 4000h	Shutter Controller and Selectors for Lamps and Local / Remote Operation
SMA Optical fiber connector	Time for a stable output	Lamp selector waiting time
SMA 905 with adjustable focus	Approx. 30 min.	Approx. 10 seconds for deuterium lamp
Remote operation	Lamp cooling system	Power consumption (maximum)
Shutter, Lamp Selector (TTL compatible signal) (best with SPEC Hub)	Air cooling	70 W
Power requirements	Dimensions / Weight	
24 VDC/ 4.5 ADC	250 (L) x 130 (W) x 105 (H) mm / 2.6 kg	