

LS - DWHP

HIGH POWER DEUTERIUM TUNGSTEN- -HALOGEN LIGHT SOURCE

- High Power, Great Performance
- UV-Visible-NIR Spectral Range
- Shutter Controller and Lamp Selector
- Built-in Filter Slot
- Remote Control with SPEC Hub



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-Visible-NIR range. For maximum light efficiency, DWHP incorporates an adjustable 12.7 mm focusing lens.

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 lamps, resulting in a more stable and extended lifetime.

SELECT ONLY THE LAMP YOU NEED

DWHP light source has an integrated lamp selector that allows you to choose between a individual and combined lamp operation, according to your spectral region of interest.



Absorbance with Flow Cell Setup Example

- 1 DWHP
- 2 Optical Fiber
- 3 Flow Cell
- 4 FLEX+ Spectrometer



Specifications Table

Parameter	Value
Wavelength Range	185-2500 nm
Deuterium lamp power	30 W
Tungsten-Halogen lamp power	7 W
Deuterium lamp lifetime	~ 2000 h
Tungsten-Halogen lamp lifetime	~ 4000h
Local operation	Shutter Controller and Selectors for Lamps and Local / Remote Operation
Optical fiber connector	SMA 905 with adjustable focus
Time for a stable output	Approx. 30 min.
Lamp selector waiting time	Approx. 10 seconds for deuterium lamp
Remote operation	Shutter, Lamp Selector (TTL compatible signal) (best with SPEC Hub)
Lamp cooling system	Air cooling
Power consumption (maximum)	70 W
Power requirements	24 VDC/ 4.5 ADC
Dimensions / Weight	250 (L) x 130 (W) x 105 (H) mm / 2.6 kg

Ordering Information

Description	Part Number
DWHP light source (180-2500 nm)	LS-DWHP
Replacement deuterium lamp (180-650 nm)	B-DWHP-D
Replacement tungsten-halogen lamp (360-2500 nm)	B-DWHP-WH
SPEC Hub for remote control option (cable included)	HUB-LS