

Compact Deuterium and Halogen Light Source



AvaLight-DHc

The **AvaLight-DHc** is a combined deuterium-halogen light source, to be used for UV/VIS/NIR- applications. The output energy of the **AvaLight-DHc** is relatively low. The use is therefore recommended in transmission setup with large diameter fibers. The light source emits light from 200-2000 nm and has an SMA connector to easily couple into our fiber optic probe range. The **AvaLight-DHc** has an integrated TTL shutter, that can be used for auto-save dark / lamp off in combination with AvaSoft (extra IC-DB15-2 or IC-DB26-2 needed). Optionally, the **AvaLight-DHc** can be delivered in Rackmounted version, to be fully integrated in the 19" rackmount or 9.5" desktop housing.

A direct attach cuvette holder CUV-DHc is available for fluorescence or absorbance measurements.

Technical Specifications

	Deuterium Light Source	Halogen Light Source
Wavelength Range	200 - 400 nm	400 - 2000 nm
Stability	< 1mAU	< 1mAU
Warm-up time	8 min	1 min
Drift	< 0.25% / h	< 0.25% / h
Optical Power in 600 μ m fiber	0.2 μ Watt	7 μ Watt
Lamp Lifetime	1000 hours	2000 hours
Temp. Range	5°C - 35°C	
Power Supply	12VDC / 450mA	
Dimensions	175 x 110 x 44 mm	

Spectral Output

