



DH-mini UV-Vis-NIR Light Source

Compact footprint, intense performance

The DH-mini is a broadband UV-Vis-NIR light source with intense output from 200 – 2500 nm in a compact package. Packed with features such as electronic shutter and remote control and with industry-leading output relative to size and cost, the DH-mini is an ideal choice for numerous applications in reflectance and absorbance spectroscopy. The DH-mini complements spectrometers and sampling accessories from Ocean Optics and is ideal for both research and OEM applications.





At a Glance

Wavelength range: 200-2500 nm

Stability: <0.2% peak to peak

Drift: <0.1%/hour

Typical bulb lifetime: 2000 hours

Output connector: SMA 905

Power consumption: 12 W

Size: 75 mm x 82 mm x 175 mm

Weight: 0.5 kg

Features

TTL remote control

Auto-shuttering

Individual bulb control

Variable intensity halogen bulb

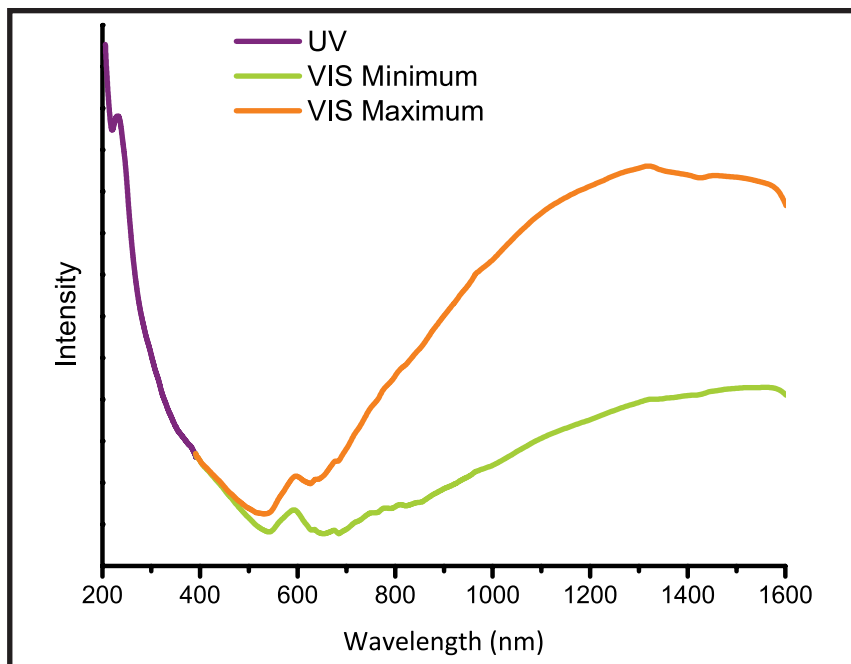


Learn more online at
www.oceanoptics.com

Contact an Ocean Optics
Application Scientist
for details and pricing

High Intensity Deuterium Halogen Source

Despite its compact size the DH-mini produces strong output across the UV-Visible and near-IR from 200-2500 nm. The DH-mini enables applications that are otherwise challenging for compact light sources, such as fiber probe-based reflection measurements where throughput is a challenge. Absorption and transmission measurements with opaque or optically dense samples also benefit from the high intensity of the DH-mini.



The UV-Vis-NIR output spectrum of the DH-mini Light Source from 200 - 1600 nm. The output intensity of the tungsten source is adjustable between the minimum shown in green and the maximum shown in orange. The tungsten source emission range extends to 2500 nm (data not shown).

Ultimate Ease of Use

The DH-mini is packed with features that make it easy to use. The tungsten and deuterium source bulbs can be turned on and off individually, limiting stray light in challenging measurements. An internal shutter can be opened and closed using simple buttons with LED indicators on the front panel. For automated processes or remote measurements, a TTL signal also can be used to control all functions.

A Small Broadband Source, Ideal for Integration

The DH-mini has been designed with OEM integration in mind. Not only does it provide high power from a small footprint, it also makes integration a breeze with full remote control of all functions via a 15 pin TTL connector. Galvanic isolation of the TTL electronics provides reliable performance in complicated environments like an electrically noisy production floor.

Contact an application sales
engineer today to find out more.



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