

HL-2000-CAL

VIS-NIR Radiometric Calibration Source



The HL-2000-CAL Calibrated Tungsten Halogen Light Source can calibrate the absolute spectral response of a spectroradiometric system.

With this NIST-traceable light source and SpectraSuite Software, you can determine known absolute intensity values at wavelengths from 300-1050 nm. Calibration at wavelengths <380 nm may require special consideration. Contact an Applications Scientist for details.

Features

- NIST-traceable calibration from 300-1050 nm. Provides absolute spectral intensity in $\mu\text{W}/\text{cm}^2/\text{nm}$ at the fiber port
- Multiple calibration options. Source can be calibrated specifically for a bare fiber, a fiber plus cosine corrector, or an integrating sphere
- Calibration certificate. Calibration data is provided in paper and electronic formats, for use with SpectraSuite

Calibrated for Use with Fiber and Cosine Corrector

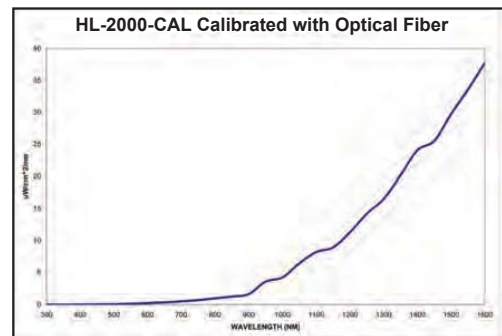
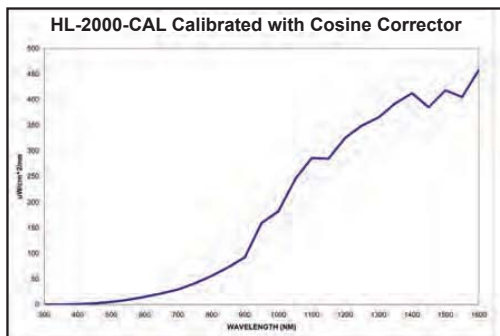
The HL-2000-CAL is designed for calibrating a system consisting of a spectrometer and an optical fiber or cosine corrector as the sampling optic. The calibration data for the HL-2000-CAL includes absolute intensities for wavelengths between 300-1050 nm.

Calibrated for Use with Integrating Spheres

The HL-2000-CAL-ISP is designed for calibrating the absolute spectral response of your system when using the ISP-50-8-I Integrating Sphere as your sampling optic.

Included with the Lamp

The HL-2000-CAL comes with a regulated 12 VDC power supply. Also included is a calibration certificate and a diskette with data files for use with our irradiance software. A cosine corrector is available for an additional charge.



Specifications

Spectral range (calibrated):	300-1050 nm (calibrated)
Power consumption:	600 mA @ 12 VDC
Power output:	6.5 watts
Bulb life:	900 hours (recommend recalibration after 50 hours of use)
Recalibration:	Required after ~50 hours of operation
Bulb color temperature:	3100 K
Output to bulb:	5 volts/1.3 amps
Output regulation:	0.2% voltage
Time to stabilized output:	~30 minutes
Connector:	SMA 905 for fiber; 6.35-mm barrel for cosine corrector; PTFE plug for integrating sphere

We also carry a high-power version for all your spectroscopy needs.

HL-2000-HP-CAL
Radiometrically Calibrated
HL-2000 High Power,
20W, 380-1050 nm