

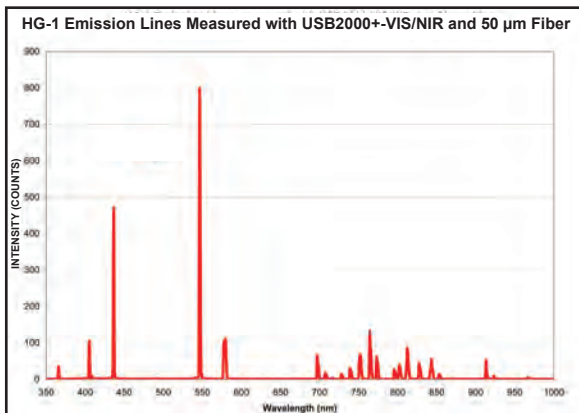
Spectrometer Wavelength Calibration Sources

Compact Sources and Adapters



HG-1 Mercury Calibration Source

Our compact, low-cost HG-1 Mercury Argon Calibration Source is a spectral wavelength calibration source for UV-VIS-Shortwave NIR spectrophotometric systems. The HG-1 produces first order mercury and argon spectral lines from 253-922 nm and second order argon lines to 1700 nm for use in performing fast, reliable spectrometer wavelength calibrations. Easily identifiable mercury and argon spectral emission lines are printed on the HG-1 housing.



| Output: | Low-pressure gas discharge lines of mercury |
|--------------------------|--|
| Spectral range: | 253-1700 nm |
| Dimensions (in mm): | 125.7 x 70 x 25.8 |
| Power consumption: | 250 mA at 12 VDC |
| Power requirements: | 12 VDC wall transformer (included) or 9 VDC battery (additional) |
| Internal voltage: | 600 volts at 30 kHz |
| Bulb life: | ~ 3,500 hours (at 20 mA) |
| Amplitude stabilization: | ~1 minute |
| Aperture: | 3 mm |
| Connector: | SMA 905 |

Cuvette Wavelength Calibration Adapter

The PS-HG1-ADP Wavelength Calibration Adapter is a 1-cm square fixture that fits into a 1-cm pathlength sample chamber and connects to the AR-1 via optical fiber. (Neither wavelength calibration standard or fiber is included).

The adapter is designed for performing a wavelength calibration for any spectrometer and 1-cm cuvette holder system, whether it's designed by Ocean Optics or another manufacturer.

Item Code: PS-HG1-ADP

