

Deuterium Tungsten Lamp

BIM-6203

Combining deuterium and tungsten lamp, BIM-6203 provides a stable and continuous light source with the wavelength varying 230-2500nm. It can be used for measurement and analysis of transmittance, absorbance, reflectivity and other applications.

Easy to replace the built-in light bulb, independent on/off lamps, power adjustable tungsten lamp, and through the TTL control function to achieve an independent and remote on / off control.



- The light source combined with deuterium and tungsten lamps would output a stable continuous spectrum 230-2500nm
- Adjustable power of Deuterium tungsten lamp
- TTL control function offers independent and remote ON/OFF control

Specifications:

Model	BIM-6203
Size	175 mm x 160 mm x 265 mm
Weight	4.5Kg
Wavelength Range	230-2500nm
Power	Deuterium Lamp: 25W Tungsten Lamp: 20W
Lamp Life	1000 hours
Current Stability	$<5 \times 10^{-6}$ p-p
Current Drift	$\leq 0.01\%$ / h
Trigger	TTL
Input Power	100-240V/AC
Operation Temperature	5°C -35°C
Warm Up	30 Minutes

Applications:

- As a reference light source for measuring absorbance, transmittance, reflectivity.
- It is suitable for scientific research and industrial applications that require a light source with stable and wide outputspectrum.

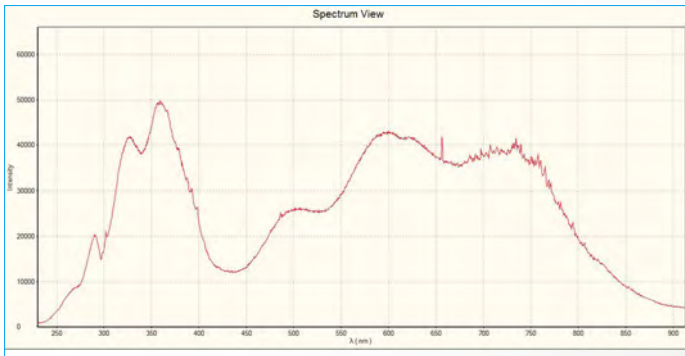


Reflectivity

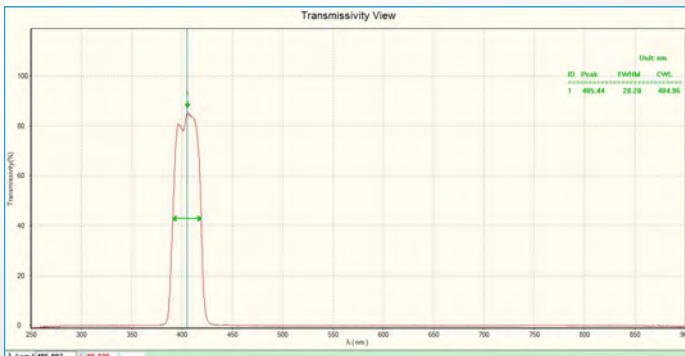


Transmittance

Typical output spectrum



Output Spectrum (Measured by 200-900nm Spectrometer)



Transmittance of 405nm filter