High Pressure Hydrogen Light Source

BIM-6252

This lamp features a cold-cathode structure, consisting of a pair of nickel electrodes sealed within a hard glass envelope. When energized with high voltage, it emits characteristic hydrogen spectral lines, covering the ultraviolet to visible light range (190–400 nm). Key emission peaks include:

- 656.279 nm (Hα, red)
- 486.133 nm (Hβ, cyan)
- 434.047 nm (Hγ, violet)
- 410.174 nm (Hδ, near-UV)

Features

- Adjustable Lamp Housing – Flexible positioning for optimal light alignment.
- Tool-Free Bulb Replacement – Easy installation and maintenance.
- Stable Light Output – Consistent intensity with minimal fluctuation.
- Pronounced Characteristic Peaks – Strong emission at key hydrogen wavelengths (656.3/486.1/434.0/410.2 nm).

Applications

- Wavelength calibration: For spectrophotometers, monochromators, and other spectral instruments.
- Optical testing light source: Suitable for interferometers, refractometers, and precision optical measurements.
- Optical resolution verification

What's included

#	Part Description	Model	Qty.
1	High-pressure Hydrogen Light Source	BIM-6252	1
2	Power cable	BC-105075	1

Specifications

Model	BIM-6252
Characteristic spectrum	410.174nm，434.047nm，486.133nm，656.279nm
Optical Coupling Mode	Free-space light output
Output Power	10W
Power Supply	220 VAC
Lamp Type	Hydrogen lamp
Hydrogen Lamp Lifetime	~200 hours
Light source housing Size	Φ67mm*241mm
Power supply Size	250x180x121mm

Dimensions (mm)