HPK 125W ST43 HG2 NK 4/4

High Pressure Hg Lamps

Heraeus manufactures the ST- and HPK-series of high pressure Hg lamps for use in scientific instrumentation and other applications requiring high stability UV radiation combined with an accurate position of the arc. These arc stabilized lamps have narrow band emission lines at well reproducible wavelengths. The lamps have a power range of 30–125 Watt and provide maximum energy at 365 nm with substantial radiation at 254, 313, 405 and 435 nm. In addition there is a continuum from 200 to 600 nm peaking at 260 nm with approximately 20 % of the maximum energy measured in the line spectrum.

Applications

- Photochemical processing
- Mercury analysers
- Environmental monitoring
- Fluorimeters
- Polarimeters

Low Pressure Hg Lamps

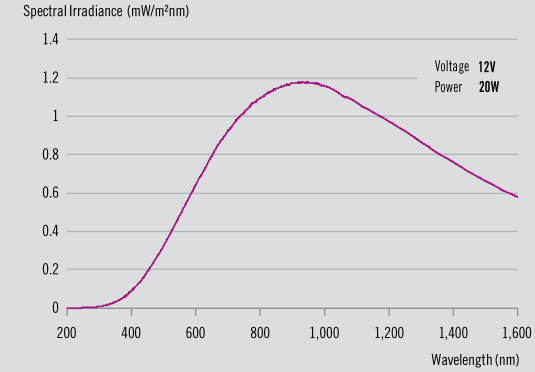
Heraeus has developed a series of cold cathode and oxide cathode mercury lamps for analytical applications. Heraeus mercury lamps of the NK-Series are low pressure, cold cathode UV lamps with a power input of 3.5 – 6 W. They mainly emit the monochromatic mercury resonance line at 254 nm. Heraeus NK lamps have been optimized for high radiance of the 254 nm line. This feature is particular useful for light sources in optical instruments such like photometer.

The Heraeus HG-2 lamp has a highly stable output also predominantly at 254 nm. When used with the Heraeus C430 power supply the line output is much higher than that of a Deuterium lamp, but with comparable stability. Therefore the HG-2 is the ideal choice for high stability applications such as mercury analysers. Other lines, which total 20 % of the output, are at 313 nm, 365 nm, 405 nm and 435 nm.

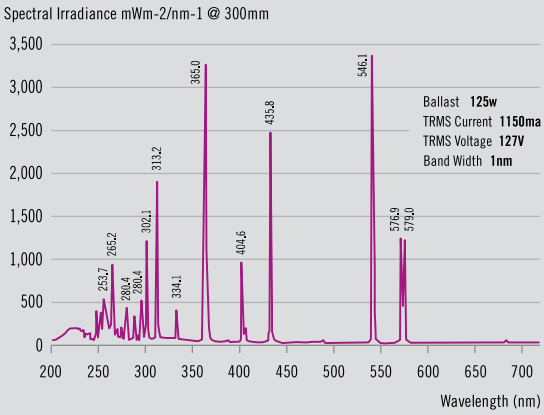
Applications

- Instrument calibration
- Mercury analysers
- Fluorescence analysers
- Environmental monitoring

Spectrum TH Lamp (CT020T01)



Spectrum High Pressure Mercury Lamp (HPK 125 W)



Low Pressure Mercury Lamp (NK-Lamp)