

Deuterium lamp

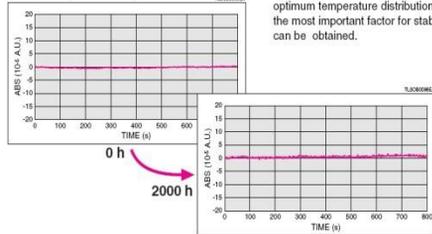


Our Deuterium lamps are engineering designed to meet the requirements for various types of instruments. It gives unprecedented cost performance ratios of intensity and stability that exceeded your analysis expectation.

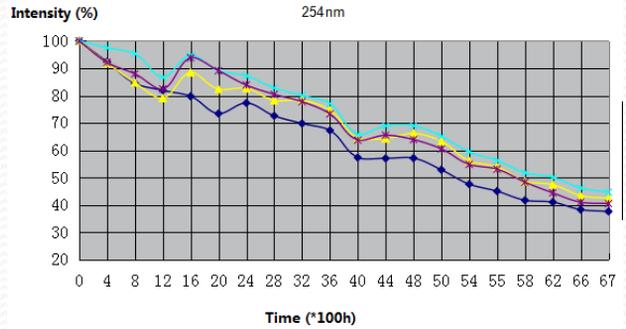
Longer life

- Our lamps assure an operating life of 2000 hours.
- This is the longest operating life of deuterium lamp

■ Light Output Stability

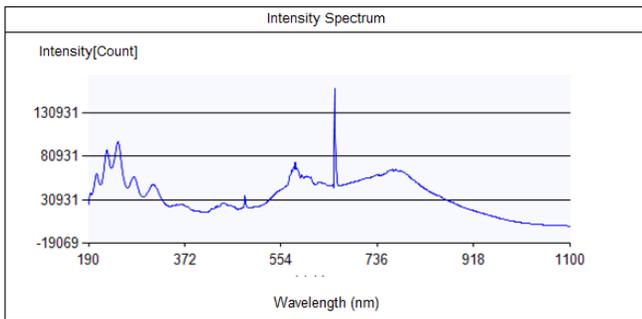


By using a ceramic structure, a uniform optimum temperature distribution, which is the most important factor for stable operation, can be obtained.

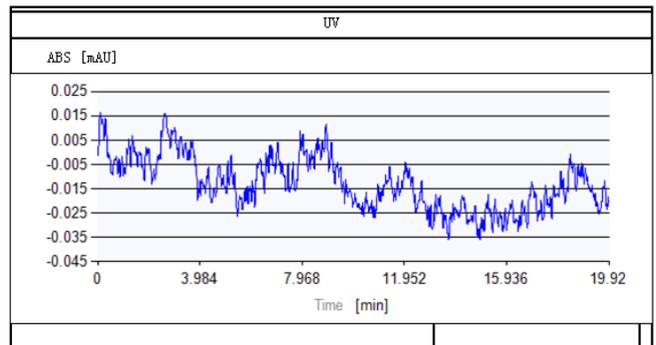


HIGH STABILITY

Fluctuation: 0.05% p-p
Drift: $\pm 0.3\%$ h

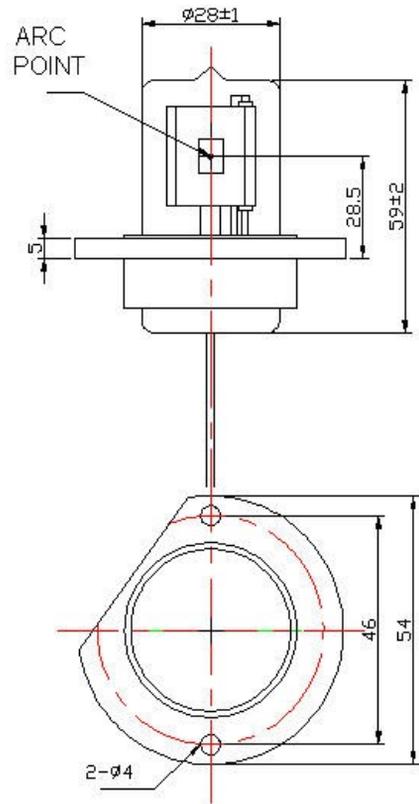


Small Intensity Variations



Specifications

Spectral distribution: 160 - 600 nm,
line free below 360 nm
Light aperture size: 1.0/0.5 mm Overall
length: 68.5 ± 2 mm Envelope
diameter: 30 ± 0.8 mm Envelope
material: synthetic silica Ignition
voltage: 350 V
Operating voltage: 75 ± 10 Vdc
Operating current: 300 mA dc
Pre-heating: 10-12 Vdc / 0.87 A dc
Noise: ≤ 0.05 % p-p @ 250 nm Drift: \pm
0.3 %/h @ 250 nm
Notes: pre-aligned



APPLICATION:

HPLC /UPLC
(High Performance Liquid Chromatography)
Film Thickness Gauge
UV-VIS Spectrophotometer

CE (Capillary Electrophoresis)
AAS
(Atomic Absorption Spectrophotometer)
Photo-ionization Light source

Semiconductor Testing Equipment

Thin Layer Chromatography
Etc.

Agilent
Shimadzu
Waters
Hitachi
Beckman
Analytik Jena
Knauer
Dionex
SSI
Perkin Elmer
Etc.

Precautions When Using

Deuterium lamps emit ultraviolet rays which can be harmful to your eyes and skin. Never look directly at the emitted lights and always wear protective goggles when operating the lamps. Do not exert mechanical vibration or shock on the lamp, otherwise the stability will deteriorate.

Before turning on the lamp, wipe the bulb and window gently with alcohol or acetone. Dirt on the window will cause deterioration of the UV transmission, so always wear gloves when handling the lamp. High voltage is used to operate the lamp. Use extreme caution to prevent electric shocks.

• Warranty

The materials use is pre-selected with high quality performance and every lamp is thoroughly tested to ensure it meets the accuracy, reliability and sustainability. We will replace any lamp that does not perform up to its specifications during warranty period.

We guarantee 100% money return if found any quality issue or unsatisfactory whenever you select our deuterium lamps. Usually, each deuterium lamp carries 2000 hours (six months) or whichever comes first.

OEM available

Ordering information

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