

DEUTERIUM ARC LAMP - P701

UV Light Source for Spectroscopy – 10 volt

Instrument

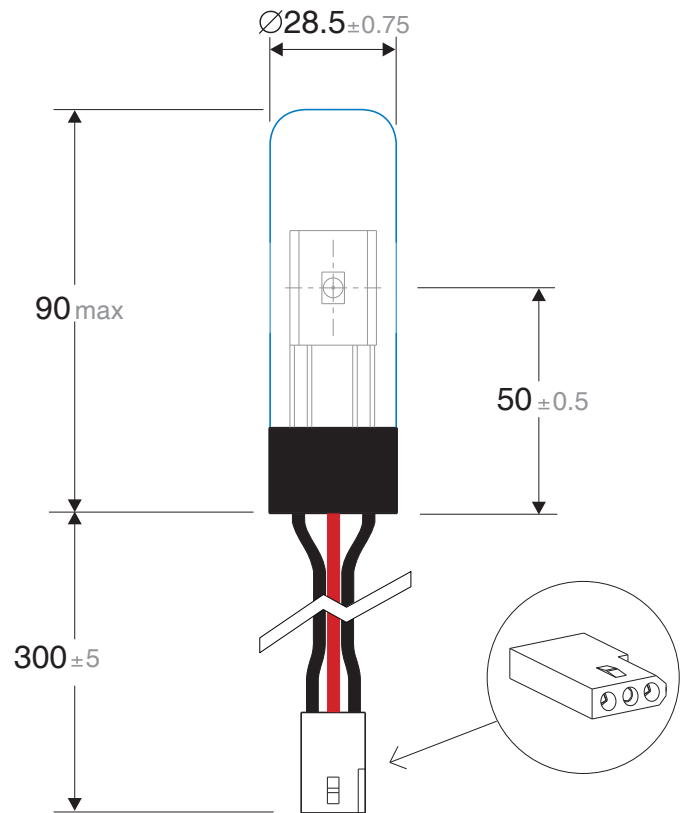
GBC

Electrical

| | | |
|-------------------------|-----------|--------------------|
| Filament/Heater Voltage | Start | 10 VDC |
| | Operating | 5 - 7 VDC |
| Filament/Heater Current | | 1.5A Max |
| Discharge/Arc Voltage | Strike | @25° > 350VDC |
| | Operating | 60 - 90 VDC |
| Discharge/Arc Current | | 10 - 300mA |
| Leads | Black | Filament & Cathode |
| | Red | Anode |
| Terminals | | 3-Pin Housing |

Optical

| | |
|------------------|---------------------------------------|
| Window | UV Transmitting Borosilicate |
| Aperture type | 1mm Circular |
| Wavelength range | 185nm - 400nm |
| Noise | < 1×10^{-4} Absorption units |
| Drift | < 3×10^{-3} Absorption units |



Dimensions in millimetres

Operational life

When radiant energy reaches 50% of the initial energy. Typical life 2000 hours

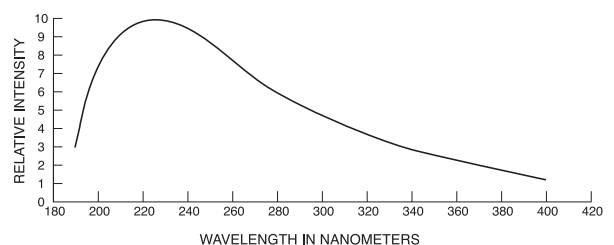
Deuterium lamps are guaranteed for a period of one year from date of delivery or 2000 hours usage, which ever comes first.

Warranty

Free of charge replacement lamp will be provided where Photron is satisfied the following conditions have been adhered to.

- Lamp is returned to supplier freight paid.
- Lamp has been operated within our recommended specifications.
- Lamp has not failed due to accidental, misuse or transit damage.
- If a replacement lamp is supplied the validity of guarantee shall commence from delivery date of original lamp.

Spectrum of Deuterium Emissions



Precautions for use

- Do not subject the lamp to mechanical shock.
- Ensure glass envelope is free from foreign material. Lamp may be wiped using alcohol liquid.
- Caution! UV transmitting window is very thin. Handle with care.
- Care must be taken not to contact lamp with bare hand, temperature can reach over 200°C during operation.
- UV Radiation is harmful to the eyes. Do not observe light output directly.
- Deuterium lamps operate at high voltages. Extreme caution is required to prevent electrical shock.



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LIGHTEN YOUR HORIZON

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Quality Certified for ISO9001:2000