



The Bentham 705 houses a high performance deuterium lamp power supply, designed to possess excellent electrical stability and ignition properties to ensure reliable starting and to improve operating lifetime.

The 705 is used to operate the following Bentham lamps:-

- **IL6-Deut** General purpose illuminator with deuterium lamp
- **CL3** UV spectral irradiance calibration standard
- **CL7** enclosed UV spectral irradiance calibration standard.

### *Specification*

Anode current : 230-310mA (factory preset to 300mA)

Heater current : (warm up) 0.9A (0-65s)

Heater current : (operation) 0.8A (65-90s); 0.6A (>90s)

Strike voltage: Inductively generated nominal 700V pulse

Current stability : <0.02% short term noise and ripple

Long term drift <0.2% at 300mA after 30 min. stabilisation

### Indications:



Red LED: Power ON



Green LED: Lamp ON, discharge commenced



Amber LED : Restart procedure under way

Max. input voltage : Factory set 110/240V AC

Mains frequency : 50/60 Hz