



Universität Bremen

Safety instructions
according to § 9 BetrSichV

Responsible person: K. Sebald

Working area:
Physikalische Praktika

Applicable to employees, tutors
and students

Workplace:
S3180, S3040, S3100, ...

Field of application

Balmer lamp with operating device (Leybold)

Hazards for humans and the environment



Risk of burns due to hot surfaces
Damage to the eyes when
- prolonged gaze into the direct or reflected light beam
Life-threatening body currents possible when
- Connection of the operating device to the mains
voltage without a built-in Balmer lamp
- Defective devices or connection cables

Protective measures and rules of conduct

- Only use devices with a valid inspection sticker (DGUV V3)
- Carry out a visual inspection before using, report any damage or unusual conditions (heat, odour) immediately to the technical staff and switch off the device immediately
- Only use lamps and control gear as specified
- Do not look into the direct or reflected light beam!!!
- Only connect to mains voltage if the Balmer lamp is properly installed
- Protect from impact and falling, risk of breakage!!!
- The lamp is only to be replaced by technical staff; allow the lamp to cool down first and disconnect the operating device from the mains voltage
- Protect from splashing water, do not switch on wet devices
- Do not touch lamps during operation, they become hot !!!
- Protect the connecting cable from mechanical/thermal damage
- Do not pull the plug out of the socket by the connecting cable
- Do not lift the device by the cable

Behaviour in the event of a malfunction

- Switch off the device immediately and pull out the mains plug
- Inform technical staff

First Aid – Emergency call (0)112



- Press emergency stop!!!
- Pay attention to self-protection!!!
- Provide first aid, inform first aiders, consult a doctor in the event of medical problems

Maintenance / Appropriate disposal

- - Inspection in accordance with DGUV regulation 3 every 18 months
- - Repairs are only to be carried out by a specialist
- - Disposal of lamps in hazardous waste, operating device in electronic waste, contact: Hotline 60088

-- Date: _____ Signature: _____