

Nr.: 0001-R02e
2018-02-02

OPERATING INSTRUCTIONS

According to Betriebs-sicherheitsverordnung

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken
Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

Activity: Laboratory work

EQUIPMENT

Agilent 1290 Infinity 2D-LC

DANGERS FOR HUMANS AND ENVIRONMENT



- The device complies with safety class I (with earth connection).
- Handling of toxic, flammable and hazardous solvents, samples and reagents.
- The UV detector contains a deuterium lamp whose direct eye-contact light can cause eye injury from ultraviolet radiation.

PROTECTIVE MEASURES AND RULES OF CONDUCT



- Before switching on the device, all ground contacts, extension cords, auto-transformers and connected devices must be connected via grounded power outlets.
- All adjustment, maintenance and repair work on the opened device should, if possible, only be carried out if the device is disconnected from the mains voltage. This rule can be overridden only by trained service technicians.
- Observe the hazards of organic solvents with the aid of:
- Data Safety Sheets, Damaris or Gestis and applicable safety regulations; they must always be observed.
- It's not allowed to operate the device in a potentially explosive environment.
- Before removing columns, switch off the pump so that no more eluent flow takes place.
- Keep the column oven closed during operation and allow it to cool down before touching (for example, removing a column).
- Do not open the detector housing when the lamp is on.
- Before using the LC, always obtain information regarding the chemicals used and behave in accordance with the safety regulations.

RESPONSE TO MALFUNCTIONS



Disconnect device immediately, faults must be reported to:
Maria Madani.

BEHAVIOR IN CASE OF ACCIDENT / FIRST AID



- Keep calm.
- Call first responders.
- Emergency call: 0112
- Report accident.

MAINTENANCE / DISPOSAL

- Maintenance only by authorized, competent persons.
- Switch off the device and disconnect it from the mains.
- Regular inspection of wearing parts.