

2024-05-16

Signature:

## Operating Instructions

According to the  
Betriebssicherheitsverordnung

UNIVERSITÄT  
DUISBURG  
ESSEN

*Offen im Denken*

Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

### EQUIPMENT

#### Hitachi and Agilent MS Systems

#### DANGERS FOR HUMANS AND ENVIRONMENT



- The unit complies with safety class I (with earth connection).
- Do not open the housing of the unit during operation.
- Handling of toxic, flammable and hazardous solvents, samples and reagents.
- Risk of burns from hot surfaces on the column oven.
- Detector contains a deuterium lamp, the light of which can cause eye injuries due to ultraviolet radiation in case of direct eye contact.

#### PROTECTIVE MEASURES AND RULES OF CONDUCT



- Please observe the operating instructions.
- Before switching on the unit, all earth contacts, extension cables, autotransformers and connected devices must be connected via earthed mains sockets.
- If possible, all adjustment, maintenance and repair work on the opened unit should only be carried out when the unit is disconnected from the mains voltage. This rule can be overridden for trained service technicians.
- Observe the hazards of organic solvents with the help of
- Safety Data Sheets, Damaris or Gestis and applicable safety regulations must be observed in any case.
- The unit must not be operated in an explosive environment.
- Before removing columns, switch off the pump so that no more running fluid flows.
- Keep the column oven closed during operation and allow it to cool down before touching it (e.g. removing a column).
- Do not open the detector housing when the lamp is switched on.
- Before using the LC, always obtain information regarding the chemicals used and act in accordance with the safety regulations.

## RESPONSE TO MALFUNCTIONS



Shut down device immediately, faults must be reported to:

- Constanze Dietrich Tel.: 1834559
- Dr. Sven Meckelmann Tel.: 1833295
- Prof. Dr. Oliver Schmitz Tel.: 1833950

## BEHAVIOR IN CASE OF ACCIDENT / FIRST AID



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

## INSTANDHALTUNG / ENTSORGUNG

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