

2024-05-16

Signature:

Operating Instructions

According to the
Betriebsicherheitsverordnung

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken

Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

EQUIPMENT

IC Metrohm 850 Professional

DANGERS FOR HUMANS AND ENVIRONMENT



- Never open the housing of the appliance, risk of injury from live parts.
- Electrostatic discharge possible.
- Work with flammable solvents, pay attention to ignition sources.
- Work with acid.
- Leaky hose and capillary connections are a safety hazard.
- Cutting capillaries increases the risk of injury.
- Danger of stabbing when filling the test loops with syringes.

PROTECTIVE MEASURES AND RULES OF CONDUCT



- Switch off the mains switch before connecting units to the IC.
- Carry out maintenance work only when the unit is switched off; disconnect the mains plug if necessary.
- For hose and capillary connections, use only original parts and the appropriate spanners. It is essential to observe the inside diameters and thicknesses.
- Never open the unit housing.
- If aggressive solvents penetrate the housing, disconnect the mains plug immediately.
- Release the pressure on the peristaltic pump hoses.
- Observe the hazards of sulphuric acid and any volatile eluents with the aid of data safety sheets, Damaris or Gestis.
- When filling the sample loops, observe the sample material and solvent and, if necessary, use suitable disposable gloves as splash protection.
- Cut the capillaries straight with the knife provided, using PPE and possibly a fume cupboard.

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.

MAINTENANCE / DISPOSAL

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