

Nr.: 0013-R02e
2018-03-19

Operating Instructions

According to the
Betriebssicherheitsverordnung

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken

Faculty of Chemistry

Arbeitsbereich: AAC

Arbeitsplatz: Labore AAC

Tätigkeit: Labor- Messtätigkeit

EQUIPMENT

IC Metrohm 850 Professional

DANGERS FOR HUMANS AND ENVIRONMENT



- Never open the housing of the device, risk of injury from live parts.
- Electrostatic discharges possible.
- When working with flammable solvents, observe the danger of ignition sources.
- Working with acid.
- Leaky hose and capillary connections are a safety risk.
- Capillary cutting carries increased risk of injury.
- There is a risk of injury when filling the sample loops with syringes.

PROTECTIVE MEASURES AND RULES OF CONDUCT



- Before connecting devices to the IC, turn off the power switch on both devices.
- Only carry out maintenance work with the unit switched off, better still unplug the power plug.
- For hose and capillary connections, use only original parts and the matching tools. Please note inside diameter and thickness.
- Never open the device housing.
- If aggressive solvents penetrate the housing, switch off the device immediately and disconnect the power plug.
- Release the pressure bar of the peristaltic pump after use.
- Observe the hazards caused by sulfuric acid and possibly volatile eluents. Get information with the help of safety data sheets, damaris or gestis.
- When filling the sample loops, observe the properties of the sample material and the solvents, if necessary, use suitable disposable gloves for protection.

- Cut capillaries straight with the knife provided, wear PSA and work in the fumehood if necessary.

RESPONSE TO MALFUNCTIONS



Shut down device immediately, faults must be reported to:

- Maria Madani, if not present O. Schmitz, M. Sulkowski, F.Uteschil, S. Meckelmann.

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.