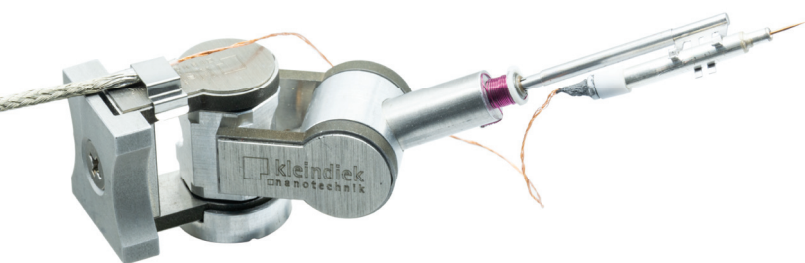


MSU-EM Micro Soldering Unit

The MSU is a plug-in system for the MM3A-EM that adds a miniturized soldering iron to your experimental setup. The plug-in provides a solution for heating a small tip. The unit has an integrated heating and sensing system in order to maintain



the temperature set using the included Temperature Control System. The Micro Soldering Unit can be fitted with custom tips that have a shaft diameter of 0.5 mm.

Your existing MM3A-EM micromanipulator system can be quickly and easily upgraded for use with the MSU-EM.

Applications

- Micro Soldering
- Localized Heating

Technical specifications

- Temperature range at air: RT - 100°C
- Temperature range in vacuum: RT - 200°C
- Controller's temperature resolution: 1°C
- Controller's temperature stability: 1°C
- Sensor's long term stability:
Better than 0.05% at 200°C after 1000 h
- Sensor's absolute temperature accuracy: 0.5%
- Heating-up time from room temperature:
15s to 100°C, 60s to 200°C
(in vacuum, depending on vacuum level)
- Cooling-down time from 200°C:
150s to 100°C, 450s to 45°C
(in vacuum, depending on vacuum level)
- Pressure range: 1E-7 mbar to 1200 mbar

Further information

- Contact us at info@kleindiek.com
- Find your local agent at www.kleindiek.com

