

# LCMK-EM Low-Current Measurement Kit

The LCMK-EM is a low-resistance, low-noise probe tip holder for the MM3A-EM micromanipulator. It enhances your system by allowing you to carry out low-capacity, low-current measurements on conductive samples.



Standard tungsten probe tips can be inserted into the LCMK-EM tip holder. Triax cabling and feedthroughs carry the electrical signals to an adapter which fits all conventional parameter analyzers.

The plug-in tool can be quickly and easily fitted to your existing MM3A-EM micromanipulator.

## Applications

- Failure analysis
- Qualification of high  $\kappa$  gate materials
- Low-current transistor measurement
- EBIC/RCI analysis
- Electrical characterization of advanced materials e.g. nanowires, ultra-thin films

## Technical specifications

- Current measurement limit 1 pA
- Insulation leakage current 50 fA at 1 V
- Signal conductor resistance 0.9  $\Omega$
- Maximum voltage 210 V
- Maximum current 200 mA

## Further information

- Contact us at [info@nanotechnik.com](mailto:info@nanotechnik.com)
- Find your local agent at [www.nanotechnik.com](http://www.nanotechnik.com)

