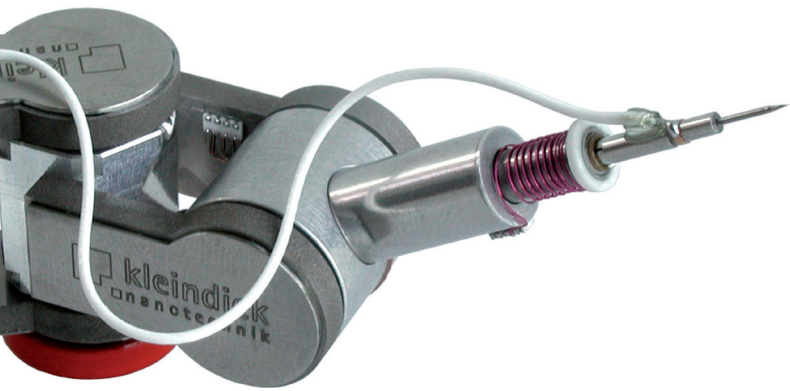


## LCMK-EM Low-Current Measurement Kit

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 0.2 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



Kleindiek is proudly represented in Australia and New Zealand by AXT Pty. Ltd.  
1/3 Vuko Pl., Warriewood  
NSW 2102 Australia  
T. +61 (0)2 9450 1359 F. +61 (0)2 9450 1365  
W. [www.axt.com.au](http://www.axt.com.au) E. [info@axt.com.au](mailto:info@axt.com.au)