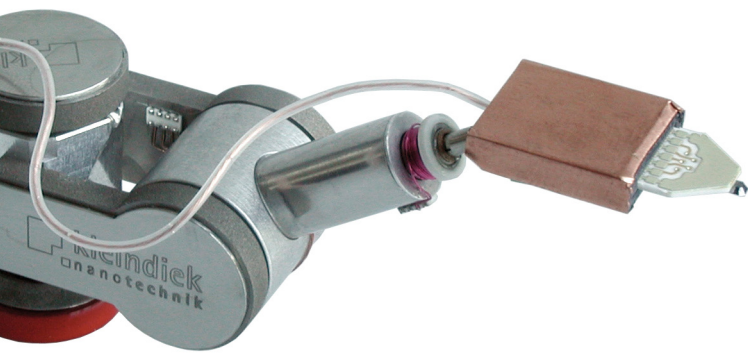


M4PP Micro Four-Point Probe

The M4PP is a micro four-point probe plug-in for the MM3A-EM micromanipulator, designed and manufactured by Capres A/S. It enhances your system by allowing you to perform four-point electrical characterization with a single micromanipulator.



In combination with high resolution SEM & FIB imaging, the M4PP is a powerful tool for analyzing the local electrical properties of materials and devices. Ultra-low contact force probes ensure non-destructive measurements.

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

Applications

- Surface layer transport measurement
- Interconnect probing
- Sheet resistance characterization
- Characterization of inhomogeneous or micro-structured advanced materials e.g. ultra-thin films and nanowires

Technical specifications

- Probe spacing (pitch): 5, 10, 15, 20, 25, 30 μm
- Measurement range: 1 mOhm – 10 MOhm
- Measurement current: 50 pA – 1 mA
- Dual frequency lock-in: 1.5; 3.1; 6.1; 12.2; 24.4; 48.8; 97.7; 195.3; 390.6; 781.3; 1562.5 Hz
- Compliance voltage: ± 1 to ± 12 Volt DC
- 4:4 multiplexer: pin select current and voltage
- Surface detection trigger output: TTL-level
- TCP/IP control: Ethernet
- Software: Instrumentation unit can be controlled from Lab-View® or via terminal program commands
- Power supply unit: 100 V – 240 V AC 50/60 Hz
- Instrumentation unit size: 110 x 80 x 170 mm
- Power supply unit size: 110 x 80 x 170 mm

Further information

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

