

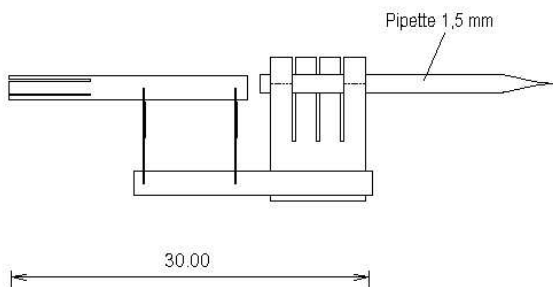
Force Measurement System FMS-LS

The FMS-LS is a compact force readout tool for the MM3A-LS micromanipulator. It enhances your system by allowing you to perform force measurements and nanoindentation.



MM3A-LS micromanipulator with a normal pipette holder

FMS-LS



FMS-LS plugin for the MM3A-LS

Smallest outer dimensions are possible by means of a force readout system that requires no laser. Force feedback on the display of the FMS-LS controller is coupled with a loudspeaker to enable you to intuitively characterise materials and micromechanical structures by their resonance frequencies. Sharp silicon tips allow nanoindentation in a wide variety of materials.



Front and rear panels of the FMS-LS controller provide visual and audio feedback and an analogue output

The plug-in can be quickly and easily retrofitted to your existing MM3A-LS micromanipulator.

Applications

- Measurement of elastic parameters of cells, Young's modulus, spring constants of MEMS and resonance frequencies
- Nanoindentation

Specifications

- Resolution: sub-uN
- Force range: up to 10 mN
- Output: ± 10 V