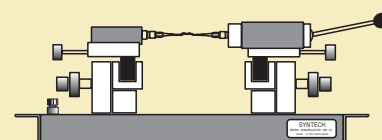
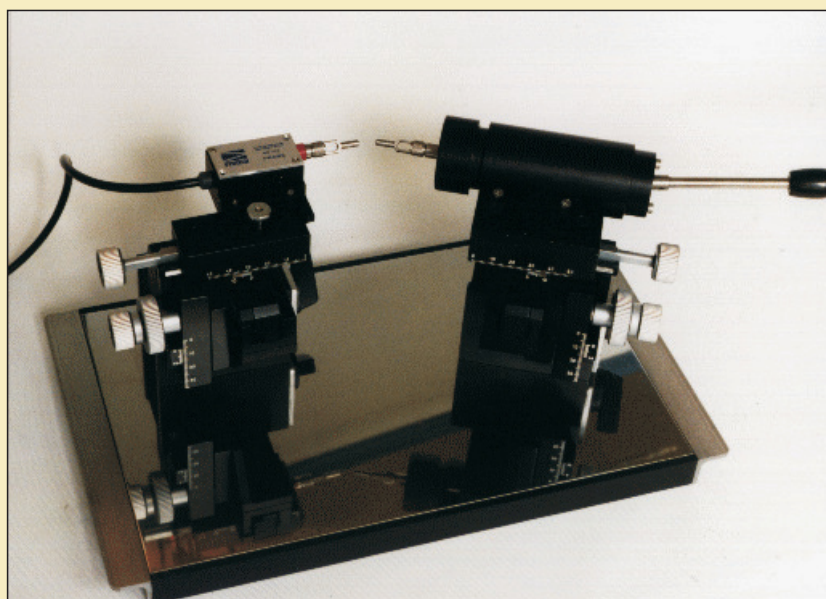


# MICROMANIPULATOR

## Type MP-15



The Syntech micromanipulator MP-15 is an integral combination of positioners, electrode holders and pre-amplifier mounted on magnetic clamps, which can be positioned freely on top of a stable base plate measuring 20 x 30 cm. It offers more freedom in positioning of the electrodes holders with respect to each other than the model MP-12 manipulator, which has the positioners fixed to the base plate.

Left- and right-hand X-Y-Z positioners allow coarse adjustment of the electrode distance and position. The right-hand positioner carries the probe containing the pre-amplifier. The silver wire in the stainless steel electrode holders can be easily cleaned and replaced without soldering. The different electrode holder is coupled directly to the input of the high impedance input of the pre-amplifier in the probe. This arrangement eliminates delicate and noise sensitive wiring and it highly facilitates electrode handling and replacement.

The whole instrument can be placed under a dissecting microscope and can be carried to the recording site even after the antennal preparation has been made. Connected to the Syntech computer recording system (IDAD + software) or to a Syntech amplifier no Faraday shielding cage is needed for EAG and GC-EAD recording. For GC-EAD recording the manipulator can be placed directly at the effluent outlet port of the GC.

A stimulus applicator on magnetic base, which can be clamped on the base plate, and other preparation accessories are available.