

NanoMotor for in vivo cell recording

The ultra-compact design of the NanoMotor is ideal for employing the system in in vivo recording experiments.



ACTUAL SIZE

The setup consists of a support column with an enlarged base for mounting the assembly. The NanoMotor is held in place by a clip which allows for some flexibility in placement. Finally, the end of the NanoMotor's actuated axis is fitted with a capillary holder for the reference electrode.



Using the NanoControl, up to four NanoMotors can be positioned with steps of 0.25 nm.

Technical specifications (positioner)

- Diameter: 4 mm
- NanoMotor height: 16 mm
- Overall height: 25 mm
- Holder for 2 mm diameter capillaries
- Mounting platform: 3 mm diameter
- Range of motion: 9 mm
- Smallest step size: 0.25 nm
- Cable length: up to 5 m

Technical specifications (amplifier)

- headstage for juxtacellular recordings
- compatible with npi's ELC-, BA-, SEC- and EXT-Series
- up to 6 additional channels for field potential recordings
- housing: 14.5 x 12 x 9 mm
- connector: 5 x 2 pins, 1.27 mm pitch

Further information

- Contact us at info@kleindiek.com
- Find your local agent at www.kleindiek.com
- Or contact npi (details listed below)



ACTUAL SIZE