

Axial Array Microelectrodes

Etched Microelectrode Plus Thin Film Contacts

Precious metal recording or stimulating sites deposited on thin films add additional data collection to single microelectrodes.

The Axial Array Microelectrodes truly combine the best of both traditional metal microelectrodes and multichannel array recording and stimulating techniques, namely the ability to precisely place a large number of recording and/or stimulating sites anywhere in the brain, disturbing the least amount of tissue.

- 6 or 12 array sites spaced at 150 μm or 300 μm along the shank of a microelectrode. (008"/200 μm diameter)
- Array sites can be used for recording or stimulation.
- Microelectrode used for array placement (mapping), LFP recording, stimulation, or lesioning.
- Micro connector fits available headstages and preamps. Adapters are available.
- Standard working length of 67 mm.



Developed and Manufactured in Collaboration with
NeuroNexus Technologies
 Making the connection



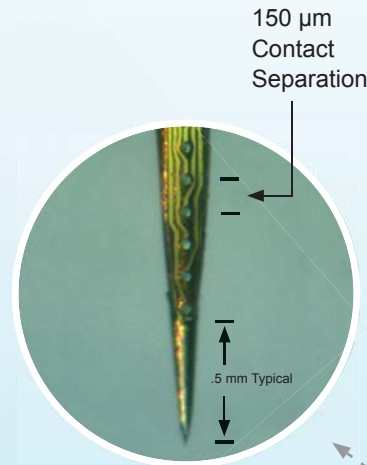
Adapters

Adapters are available for a wide variety of headstages and preamps. Custom options can be specified.

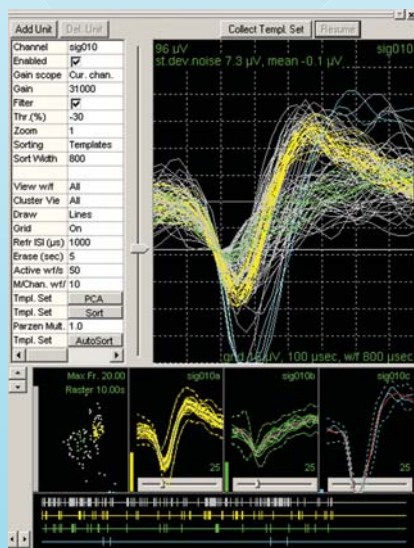
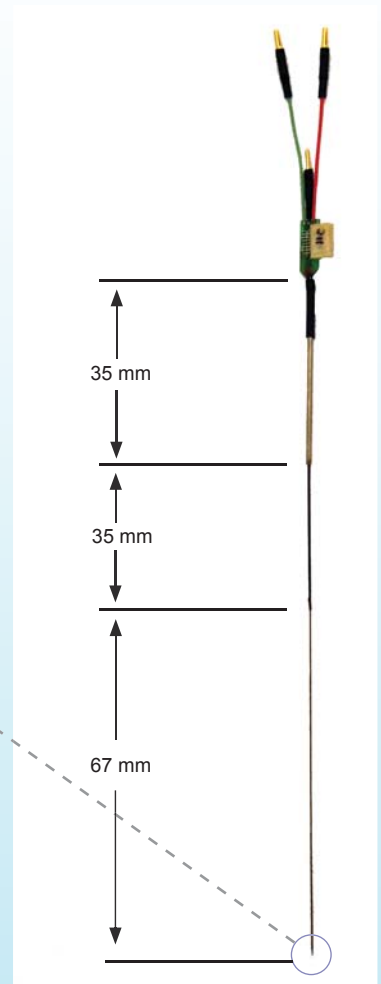


Guide tubes

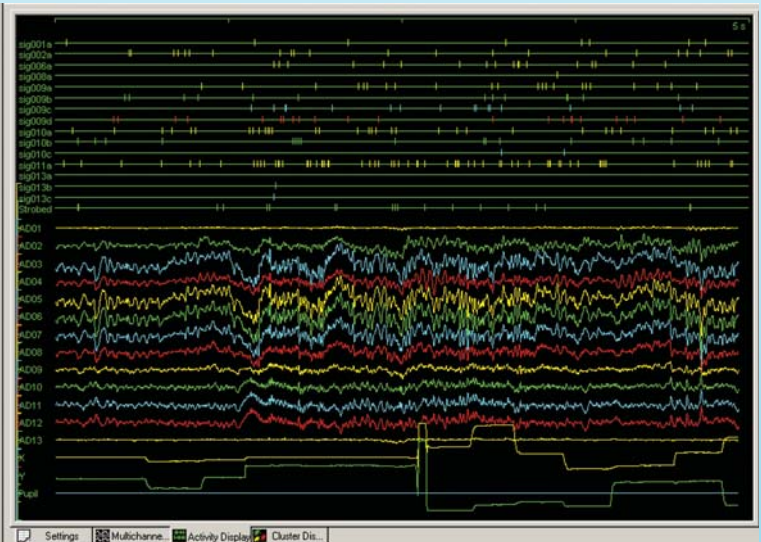
23 gauge guide tubes are available in multiple standard configurations. Custom configurations can also be ordered.



Custom configurations available, contact FHC Technical Support for details.



The screenshot (right) shows actual LFP and spike data from a macaque entorhinal cortex recording in Dr. Elizabeth Buffalo's lab at Emory University.



L015-27/Axial Array Info Sheet

