



The Model 1800 Microelectrode AC Amplifier is a two-channel, differential amplifier equipped with Head Stage probes and is intended for extracellular recording and/or stimulating with high impedance metal microelectrodes in research and teaching applications.

### Specifications:

- Amplifier for metal microelectrodes
- Two amplifiers in one instrument
- Two Head Stage probes included
- Recording gain options: x100, x1000, x10 000
- Low noise (1.0 $\mu$ V p-p typical, 10 Hz - 10 kHz)
- High common-mode rejection ratio (110 dB at 60 Hz)
- High line frequency rejection with notch filter (>110 dB at 60 Hz) (50 Hz notch filter optional)
- High input impedance (100 000 M $\Omega$ )
- Low input bias current ( $\pm$  3 pA typical;  $\pm$  20 pA maximum)
- Adjustable low and high frequency filters
- Power supply may be set for 110 VAC at 60 Hz or 220 VAC at 50 Hz