

NEW

npi  
Electronic Instruments  
for the Life Sciences

*made to measure*

NEW

# Amplifier for Multiple Site Recording

## Up to 16 Recording Channels



**EXT-16DX**  
Amplifier



**R/I-T1DX**

## Electrode Resistance Test / Current Injection Unit

### Features:

- ⇒ Extracellular recordings with up to 16 channels
- ⇒ Up to 16 gain stages, 16 high pass and 16 low pass filter corner frequencies; set by rotary switch
- ⇒ Customized configuration for all channels (set by factory)
- ⇒ Digital display of selected channel, gain, high pass and low pass filter corner frequency
- ⇒ Remote operation with digital I/O card or manual operation with switches and push button
- ⇒ Brightness of displays adjustable for simultaneous fluorescence measurements
- ⇒ Referenced or single ended recording mode (set by switch)
- ⇒ External npi power supply or rechargeable batteries for extra-low-noise operation
- ⇒ Extracellular signals available at BNC connectors or at SCSI/SubD connector for direct linking to data acquisition card

### With R/I-T1DX

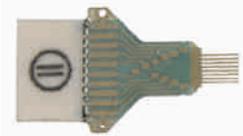
- ⇒ Electrode resistance test separately for each electrode
- ⇒ Current injection (up to  $\pm 1 \mu\text{A}$ , bipolar) for each electrode

### Suitable for

- ⇒ Thomas Recording Electrodes



- ⇒ Tucker Davis Electrodes



- ⇒ NeuroNexus Electrodes



- ⇒ PlasticsOne Electrodes



- ⇒ Custom Made Electrodes

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