



The Model 1700 Differential AC Amplifier is intended for research or teaching applications requiring extracellular neurophysiological recording from excitable tissue, such as nerve or muscle, and is capable of making EMG, EEG, EKG, and ERG recordings.

The Model 1700 contains 4 independent amplifiers plus a power supply in a single enclosure enabling several channels to be recorded simultaneously. Also, combining four amplifiers in a single instrument reduces the construction cost and these savings are passed on to you.

Each amplifier contains a high-gain, low-noise differential stage followed by low-frequency, high frequency, and notch filters. A connection is also provided for a stimulator input so that recording or stimulating through an electrode is possible.

Specifications:

- Four amplifiers in one low cost instrument
- Gain selections include x100, x1,000, and x10,000
- Low noise (1.0 μ V peak to peak)
- High common-mode rejection (> 70 dB at 60 Hz)
- High line frequency rejection with notch filter (>110 dB at 60 Hz)
- High input impedance (100,000 M Ω)
- Low input bias current (3 pA typical; 20 pA maximum)
- Driven cable shield for reduced capacitance
- Adjustable low and high frequency filters
- Notch filter for 50 or 60 Hz interference
- Power supply may be set for 110 VAC at 60 Hz or 220 VAC at 50 Hz

BioMedical Instruments Trading

Hofheimer Straße 63
D- 65719 Hofheim
Phone: +49 6192 2 91 88 66
Fax: +49 6192 90 13 98

Email: biomedical-instruments@science-products.com



in collaboration with:



Science Products Trading SPT AG
Käferholzstr. 142
CH- 4058 Basel
Phone +41 43 488 05 61
Fax: +41 43 488 05 62