The front end of the preamplifier is battery powered (2 x 9 volt transistor radio batteries) while the back end receives its power from the host unit. A meter shows battery state and the batteries are connected only when linked to the host unit. There are 3 ranges (0 to 10 kΩ, 0 to 100 kΩ and 0 to 1 MΩ) and DC level control, built in audio speaker with modulation facility and a normal/differential switch. The maximum sensitivity is 50Ω/cm of pen deflection when used with the Harvard Apparatus oscillographs. It is supplied with the BS4 50-9521 GSR Finger Electrode Set.

The BS4 50-5966 Isolator Interface is needed to connect this unit to a Universal Oscillograph or Interface Adapter, or it plugs directly into the Harvard Apparatus Student Oscillographs.

The front end of the Preamplifier is battery powered (2 x 9 volt transistor radio batteries) while the back end receives its power from the host unit. A meter shows battery state and the batteries are connected only when linked to the host unit. The input is via either the 3-pin binder socket or the row of five standard color coded 2 mm sockets (labeled LA, RA, LL, RL and C) for 5 electrode ECG measurements. A 3-position gain switch (x10, x100 and x1000), an input selector for AC or DC coupled, a filter selector (3 dB down at 30 Hz, 150 Hz and 15 kHz) and a DC level control. Maximum gain when used with a Harvard Apparatus Oscillograph is 30 µV/cm of pen deflection. A comprehensive range of electrodes and input leads is available.

The BS4 50-5966 Isolator Interface is needed to connect this unit to a Harvard Apparatus Universal Oscillograph or Interface Adapter. The Isolated Preamplifier will plug directly into the Harvard Apparatus Student Oscillographs, see page 168.

The Amplifier Modules on pages 160 to 162 are designed to interface with Harvard Apparatus’s Amplifier Case, see page 169, Chart Recorders, see pages 165 to 170 and the CEPTU physiology system, see pages 165 and 164.