

2. DESCRIPTION

The 9834, illustrated in Fig. 1, is a bench mounted model enclosed in a carrying case. The input connector is on the front and the output connector is on the back of this instrument. A plug for the users output cable and a four foot long guarded input cable, with plug attached, are supplied.

The shell of the low thermal input receptacle, connected internally to an insulated sub-chassis, forms the external guard circuit terminal. All components of the input circuit are mounted on the sub-chassis, which is at guard potential. Both the main chassis and the sub-chassis, insulated from each other, are insulated from the front panel and case.

A binding post marked CHASSIS GRD, is provided for grounding the main chassis. A third conductor in the line cable may be used for ground-

ing the case and panel.

Sensitivity, adjustable from the front panel, is decreased successively in steps of ten-to-one each as the dial is turned counterclockwise between sensitivity positions. Alternate switch positions retain the sensitivity of the adjacent setting, but disconnect the external input circuit and short circuit input terminals. These are zero check positions.

The 9834-1, not shown, differs from the 9834 only in mechanical features. Designed especially for panel mounting, this instrument slides into a sheet metal housing, which is separately mounted in a panel cutout. The use of this housing, supplied with the instrument, permits the user to quickly remove and remount the instrument on the panel whenever necessary. The input and output connectors are located in the back on the 9834-1.