

A VACUUM-TUBE CHARACTERISTIC CURVES PLOTTER

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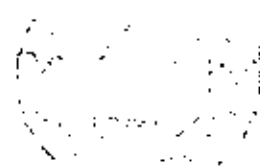
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ABSTRACT

This thesis describes a new plotting device for single-channel or multi-channel recorder. The plotting device operates by a high speed scanning (in the y-direction) stylus which transmits a marking pulse, to mark a metal coated paper at the point corresponding to the amplitude of the input voltage. An electronic selector switch is employed as an automatic input selector for multi-channel recording.

This recorder is aimed primarily for plotting a series of plate characteristics of vacuum triodes. The plate characteristics of vacuum tubes as recorded by the apparatus are nearly identical with the manually plotted curve. The main source of errors is originated from the grid voltage supply unit which is a subunit connected to the main plotting device. The main plotting device itself is preferably accurate.

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