

THE TV BARGRAPH.

A project report presented in partial fulfillment of the requirements for the award of Diploma in Electronics Engineering of Mara Institute of Technology.

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1.0 INTRODUCTION.

The objective of this project is to generate a display on a television screen consisting of a number of vertical columns. The height of each column is proportional to a specific input voltage. The columns may be upwards (positive) or downwards (negative) from a reference level. This reference may be changed if only positive-going signals are to be processed. (See figure 1.1). This project is called TV Bargraph.

The project is to provide a solution to the problem of displaying many variables with good resolution. The TV Bargraph can arise with spectrum analysis statistical measurements, multi-point measurements of temperature, pressure, humidity, speed, current, voltage or indeed anything which can be converted to a proportional voltage.