

DISTANCE RECORDER

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## ABSTRACT

Distance travelled by any form of transport which relies on a wheel, is most easily measured by noting the number of revolutions of a wheel as a vehicles moves along and multiplying that number by the circumference of the wheel. This project describes a means of electronically measuring, calibrating and displaying the distance travelled by a wheel. A golf trolley wheel can be used in the prototype but the principle of operation could be applied to any application where distance measurement using a wheel is required.

Golfers among the readership will appreciate the important of knowing, during practice, how far a ball has been hit, in order to calculate the distance travelled. Furthermore, realising that measuring a distance travelled by using an electronics equipment is really important for us besides accuracy and less mechanical movement, this types of equipment is invented and is called a DISTANCE RECORDER.

**DISTANCE** : Can be defined as a range from one point to another, depends on how far the two point is.

**RECORDER** : Can be defined as a device which stores data inside it and will transfered the data to other devices when needed.

Distance Recorder is a device which has 3 digital display and has accurate distance measuring up to 999 yard/metres.

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## INTRODUCTION

Digital measurement technology has in recent years become more and more important as before. One of the example is a distance recorder. A Distance Recorder is widely used as an instrument to measure a distance travelled by any form of transport. This type of instrument, depends on the rotation of the wheel to process the signal and finally after the process of multiplying and calibrating, the distance travelled by any form of transport relying on wheels, can be find out at the three digits seven segment display. Furthermore this type of instrument can be set either in yard or metres by varying the calibration switches.