

ABSTRACTION

The height measurement equipment which is a lot of used by medical circle and also the society is using manual and also digital system. This equipment is designed just to one who own condition of normal physical.

While for one who poor handicapped specially blind will find difficulties in using it. Based on that problem is hence designed The Automatic and Mobile Height Measurement With The Voice Output

In general this modul use IC Microcontroler AT89S51 to convert distance to height, and ISD 2590 as voice recorder to present result of measurement through a loudspeaker. Range of measure of body is between 80 - 180 cm. Method of measure in this appliance use transducer ultrasonic as censored, microcontroller converting a time gap wave of ultrasound become height and IC ISD as voice output. Microcontroller is also used to activate IC ISD to call data measurement of body according to voice which have record.

Pursuant to data result of calculation and measurement on trial got the high grader mistake value of The Automatic and Mobile Height Measurement With The Voice Output has mistake value of equal to 0,8 % because owing difference to measurement use ruler.

As making of high The Automatic and Mobile Height Measurement With The Voice Output, in the future expected can assist all poor patient of netra to know height of himself which is result of measurement is presented by through speaker output.