

THE DIGITAL ALTIMETER

This project thesis is presented in partial fulfillment for the award of the
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ABSTRACT

This project deals with the design and construction of an altimeter to indicate height which is used for trips, hiking, biking and other hobbies. It can also be used for determining the altitude of an aircraft, jet fighter and missile.

The instrument is designed to improve accuracy and reliability using digital technology, rather than mechanical device. The sensor-based technology makes the digital altimeter appropriate for use with a variety of aircrafts and model airplanes, which supplies precision flight products for military and commercial aircraft.

In this thesis, the project have been devoted in developing a data converter circuit which converts pressure values to voltage, from voltage to digital serial stream, and lastly from serial stream to altitude values which are displayed to the PC monitor.

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