Abstract

The main aim of the project is to design and Development of data acquisition card and Process parameters of explosive materials in ARM Microcontroller to capture, store and analyze the data and Display characteristic waveform on LCD Screen. The data Acquisition card integrated into ARM9263 processor board. This can be widely used in Defense and army to detect the bombs and RDXs and to protect soldiers and people from harmful substances and to take remedy actions from explosives. The software coding of the total project is realized by using EMBEDDED C language in the KEIL software and the total hardware is realized by using DAC card, ADC with the processor.

References

Data Acquisition and Processing Samples of an Explosive Material using Arm Microcontroller (ARM9263)

- M. M. Mann, R. Hustrulid und J. T. Tate, Phys. Rev. 58 (1940) 340.

Index Terms

Computer Science
Circuits And Systems

Keywords

ARM9263 Embedded C Keil ADC