

ULTRASONIC TRANSMITTERS AND TRANSDUCERS

Project Report Submitted by

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ABSTRACT

This project, as its title implies, deals with Ultrasonic Transmitters and Transducers.

In Chapter 1, the properties and characteristics of ultrasounds are described, giving also some relative formulae.

Chapter 2, deals with the transmission and reception of ultrasonics, and also with the types of transducers available and their characteristics.

In Chapter 3, the most popular electronic applications which are used nowadays, are referred.

Chapter 4, deals with the design and set-up of suitable receiver, in order to carry out the experiments.

In Chapter 4, some driving methods, (oscillators), of the transducers are designed and tested.

## CONTENTS

ACKNOWLEDGEMENTS	I
ABSTRACT	II
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INTRODUCTION	1
CHAPTER 1	3
1.1 Propoerties and characteristics of ultrasounds	3
CHAPTER 2	5
2.1 Transmission and Reception	5
2.2 Ultrasonic Transducers	6
2.3 Magnetostrictive Transducers	7
2.4 Piezoelectric Transducers	9
2.5 Characteristics of Piezoelectric Transducers	10
CHAPTER 3	16
3.1 Electronic and Digital Applications	16
3.2 Ultrasound Burglar Alarm System	17
3.3 Ultrasonic Distance Meter	18
3.4 Ultrasonic Trigger System	19
CHPATER 4	21
4.1 Ultrasonic Receiver with Op-amps	21
4.2 Ultrasonic Receiver with transistor pre-amp	22
CHAPTER 5	24
5.1 Gate Controlled Oscillator Transmitter	24
5.2 Transmitter using the 555 timer	27
5.3 Sine wave Oscillators	30
5.4 Triangle / Square wave Oscillator	33
5.5 Testing of transducers with various waveforms	33
CONCLUSIONS	35
APPENDICES	
APPENDIX 1 Printed Circuit Boards	36
APPENDIX 2 Data Sheets	39
REFERENCES	