

HIGHER TECHNICAL INSTITUTE

NICOSIA - CYPRUS

ELECTRICAL ENGINEERING DEPARTMENT

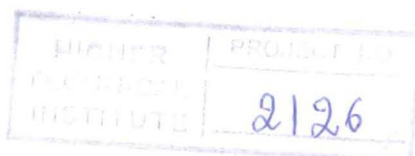
DIPLOMA PROJECT

" CLINICAL THERMOMETER "

E/838

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JUNE 1993



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ABSTRACT

TITLE: DEVELOPMENT OF A CLINICAL THERMOMETER

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The objectives of the project are to:

- (1). Investigate requirements of clinical thermometers
- (2). Investigate sensors and compare
- (3). Design, construct, test and calibrate a clinical thermometer.

The terms and conditions of the project are:

- (1). Incorporate under and over temperature audio visual alarm.
- (2). Selectable digital display of setting actual temperature.
- (3). Battery operation is essential.

Although in the terms and conditions of this project the battery operation was essential, a power supply was used instead due to the large current the displays used needed (7-segments display)

A further investigation in sensors was carried out which analyzes the reasons of choosing the thermistor as the sensor.

LIST OF CONTENTS

	Page
ACKNOWLEDGEMENTS.....	I
ABSTRACT.....	II
CHAPTER 1 :INTRODUCTION - REQUIREMENTS OF CLINICAL THERMOMETERS	
1. INTRODUCTION.....	1
1.1 HUMAN BODY TEMPERATURE.....	1
1.2 CLINICAL THERMOMETER.....	2
CHAPTER 2 :SENSORS	
2.1 SENSORS AND TRANSDUCERS.....	4
2.2 TEMPERATURE SENSORS-THERMAL MEASURANDS.....	11
2.3 BIOMEDICAL SENSORS.....	21
2.4 THERMISTORS.....	25
CHAPTER 3 :CLINICAL THERMOMETER	
3.1 BLOCK DIAGRAM.....	28
3.2 CIRCUIT SCHEMATIC DIAGRAM.....	29
3.3 PCB.....	30
3.4 EXPLANATION OF CIRCUIT DIAGRAM.....	31
3.5 THEORY OF CIRCUIT DIAGRAM.....	32
3.6 APPARATUS.....	46
CHAPTER 4 :TESTING / CALIBRATION	
4.1 TESTING.....	47
4.2 CALIBRATION OF THE THERMISTOR.....	47
CONCLUSIONS.....	55
REFERENCES.....	56
APPENDICES.....	57