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# Analog Heater/ Air Control Characterizer

Matthew L. Reardon

*Indiana University - Purdue University Fort Wayne*

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ANALOG HEATER/AIR CONTROL CHARACTERIZER

PREPARED FOR PURDUE UNIVERSITY

E.E.T FACULTY

SUBMITTED BY MATTHEW L. REARDON

APRIL 25, 1985

## TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
ABSTRACT	1
INTRODUCTION	2
Problem	2
Solution	2
PRODUCT DESCRIPTION	4
TEST REQUIREMENTS	6
Lever force	6
Mode switch millivolt drop test	6
Fan switch millivolt drop test	7
Vacuum port leakage test	7
Chart recording	7
SELECTION OF MAJOR COMPONENTS	8
Computer	8
Multiprogrammer	8
Digital multimeter	9
Disk drive	9
Product power supply	9
X - Y positioning system	10
Chart recorder	10
Load cell	11
Vacuum transducers	11
Flowmeter	11
DESIGN	12
Compound slide assembly	12
Load cell circuit	14
Mode switch test circuit	15
Fan switch test circuit	17
Vacuum port test circuit	19
MTS, stepper and servo motor circuit	21
MTS I/O circuit	21
AC power design	22
DC power design	23
Circuit boards	23
SOFTWARE	24
Overall view	24
Main menu program	24
Profile program	25
Manual setup program	25
Auto test program	25
Report generation program	26
MTS program	26

<u>SECTION</u>	<u>PAGE</u>
SOFTWARE FLOWCHARTS	27-40
Main menu program	27, 28
Initialize disk routine	29
File generation routine	30, 31
File directory routine	32
Profile program	33
Manual setup program	34, 35
Auto test program	36, 37
Report generation program	38, 39
MTS program	40
SEQUENCE OF OPERATION	41
CONCLUSION	42
REFERENCES	43

#### APPENDICES

Appendix A:	Overall electrical schematics
Appendix B:	Mechanical drawings
Appendix C:	Major components
Appendix D:	Software listings
Appendix E:	Test results

## LIST OF ILLUSTRATIONS

<u>FIGURE #</u>	<u>PAGE</u>	<u>DESCRIPTION</u>
1.	5	A typical analog heater/air control.
2.	6	Plot of mode lever force.
3.	12	Noise produced by stepper motor used to move the levers.
4.	13	Compound slide assembly.
5.	14	Load cell amplifier circuit.
6.	16	Mode switch test circuit.
7.	17	Circuit for driving product power relays.
8.	18	Fan switch test circuit.
9.	19	Vacuum flow block diagram.
10.	20	Vacuum transducer monitoring circuit (1 of 12).
11.	22	Output configuration of the MTS I/O card, HP digital output card and the HP digital input card and the connecting of the three.

## ABSTRACT

Qualification of pre-production components and prototype samples has been an ongoing concern for product assurance engineers. Tedious, time consuming, often labor intensive testing procedures have, in some situations, produced marginally acceptable results. Durability, vibration, thermal cycling, and final functional testing of components and products is absolutely mandatory in today's competitive marketplace. Manufacturers must be confident that their product will perform at or above their predetermined level of acceptability before that product is released for use.