

Curry

INSTRUCTION MANUAL

TU55 DECtape 55

TU55
DECtape 55
INSTRUCTION MANUAL

1st Printing November 1966
2nd Printing February 1967
3rd Printing June 1967
4th Printing October 1968
5th Printing November 1968

Copyright © 1968 by Digital Equipment Corporation

The following are registered trademarks of Digital
Equipment Corporation, Maynard, Massachusetts:

DEC
FLIP CHIP
DIGITAL

PDP
FOCAL
COMPUTER LAB

CONTENTS

Page

CHAPTER 1 INTRODUCTION AND DESCRIPTION

1.1	General Description	1-1
1.2	Scope of Manual	1-2
1.3	Pertinent Documents	1-2
1.3.1	Manuals	1-2
1.3.2	Engineering Drawings	1-2
1.3.3	New Module News Bulletins	1-3
1.4	Functional Description	1-3
1.5	Physical Description	1-4
1.5.1	Electrical Details	1-6
1.6	TU55 Performance Characteristics	1-9

CHAPTER 2 THEORY OF OPERATION

2.1	Block Diagram Analysis	2-1
2.2	Detailed Descriptions	2-4
2.2.1	Interface	2-4
2.2.2	Unit Select Lines	2-5
2.2.3	Command Lines	2-5
2.2.4	WRITE ENABLE Signal	2-5
2.2.5	Interface Connections	2-6
2.2.6	Read/Write Head	2-6
2.2.7	Tape Motion Control	2-6
2.2.8	Remote or Programmed Control	2-6
2.2.9	Local (Manual) Control	2-7
2.2.10	Motor Control	2-7
2.2.11	Transport Selected Signal	2-8
2.3	Module Descriptions	2-9
2.3.1	Type R303 Integrating One Shot (Delay)	2-9
2.3.2	Type W513 Level Amplifier	2-10
2.3.3	Type G850 SCR Motor Driver	2-11