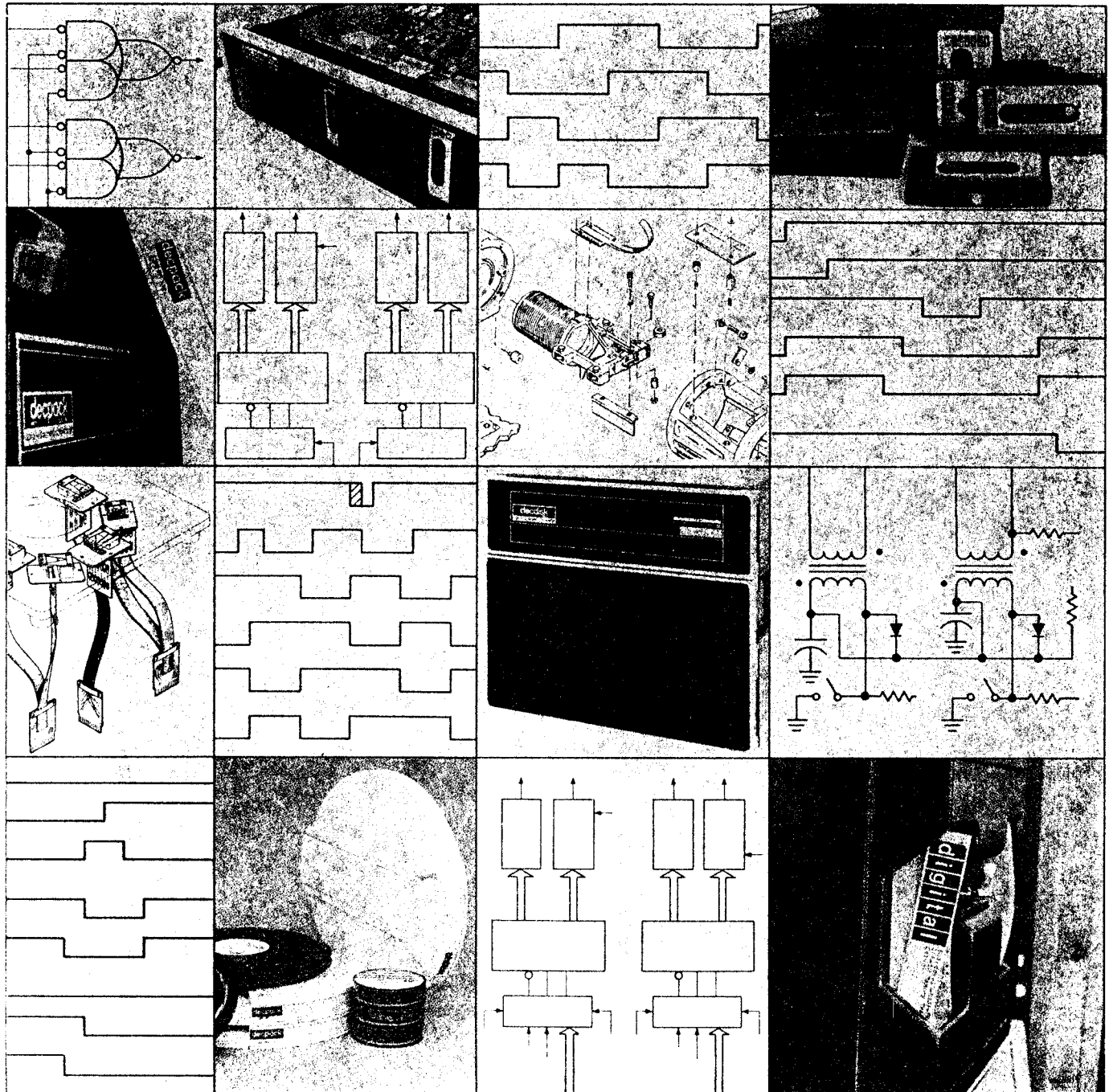
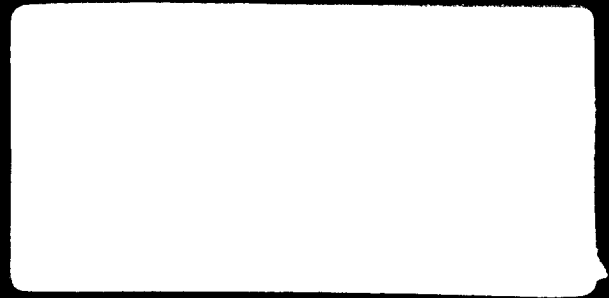


digital



**VT05
alphanumeric
display terminal
reference manual**

DEC-00-H4AC-D

1st Printing June 1971
2nd Printing (Rev) June 1972
3rd Printing February 1973
4th Printing September 1973

Copyright © 1971, 1972, 1973 by Digital Equipment Corporation

The material in this manual is for informational purposes and is subject to change without notice.

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

| | |
|-----------|--------------|
| DEC | PDP |
| FLIP CHIP | FOCAL |
| DIGITAL | COMPUTER LAB |

CONTENTS

| | <u>Page</u> |
|---|-------------|
| CHAPTER 1 VT05 BASIC DESCRIPTION | |
| 1.1 Purpose and Use | 1-1 |
| 1.2 Technical Characteristics | 1-2 |
| 1.2.1 Character Set | 1-2 |
| 1.2.2 System Interface | 1-6 |
| 1.3 VT05 Options | 1-7 |
| 1.4 VT05 Interfacing Information | 1-7 |
| CHAPTER 2 FUNCTIONAL DESCRIPTION | |
| 2.1 Keyboard | 2-1 |
| 2.2 CRT Display | 2-1 |
| 2.3 Transmit/Receive Logic | 2-2 |
| 2.4 Control Logic | 2-2 |
| 2.5 Recirculating Memory | 2-2 |
| 2.6 Read-Only Memory/Character Generator | 2-3 |
| 2.7 Filler Characters Required at High Baud Rates | 2-3 |
| CHAPTER 3 TERMINAL OPERATION | |
| 3.1 Introduction | 3-1 |
| 3.2 Turn-On Procedures | 3-4 |
| 3.2.1 Local Operation Turn-On Procedure | 3-4 |
| 3.2.2 Remote Operation Turn-On Procedure | 3-5 |
| 3.3 Modes of Operation | 3-6 |
| 3.3.1 LOCAL Mode | 3-6 |
| 3.3.2 REMOTE Mode | 3-6 |
| 3.3.3 Full- and Half-Duplex Operation | 3-6 |
| 3.4 Keyboard Operation | 3-7 |
| 3.4.1 Control Key Operation | 3-7 |
| 3.4.2 SHIFT Key Operation | 3-7 |
| 3.4.3 SHIFT/LOCK Key Operation | 3-8 |
| 3.4.4 ALT Key Operation | 3-8 |
| 3.5 Display Operation | 3-8 |
| 3.5.1 Cursor Left (←) | 3-8 |
| 3.5.2 Cursor Right (→) | 3-8 |
| 3.5.3 Cursor Down (↓) | 3-8 |