

Memorex Corporation

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650 Flexible Disc File Description

The Memorex 650 Flexible Disc File is a compact, direct access, removable disc unit intended to simplify the distribution, handling and storage of digital information.

The file is composed of a drive mechanism, recording head, head actuator and associated electronics. The file is connected to the host system by signal and power cables with addressing, function requests, data formatting and power supplied by the host system.

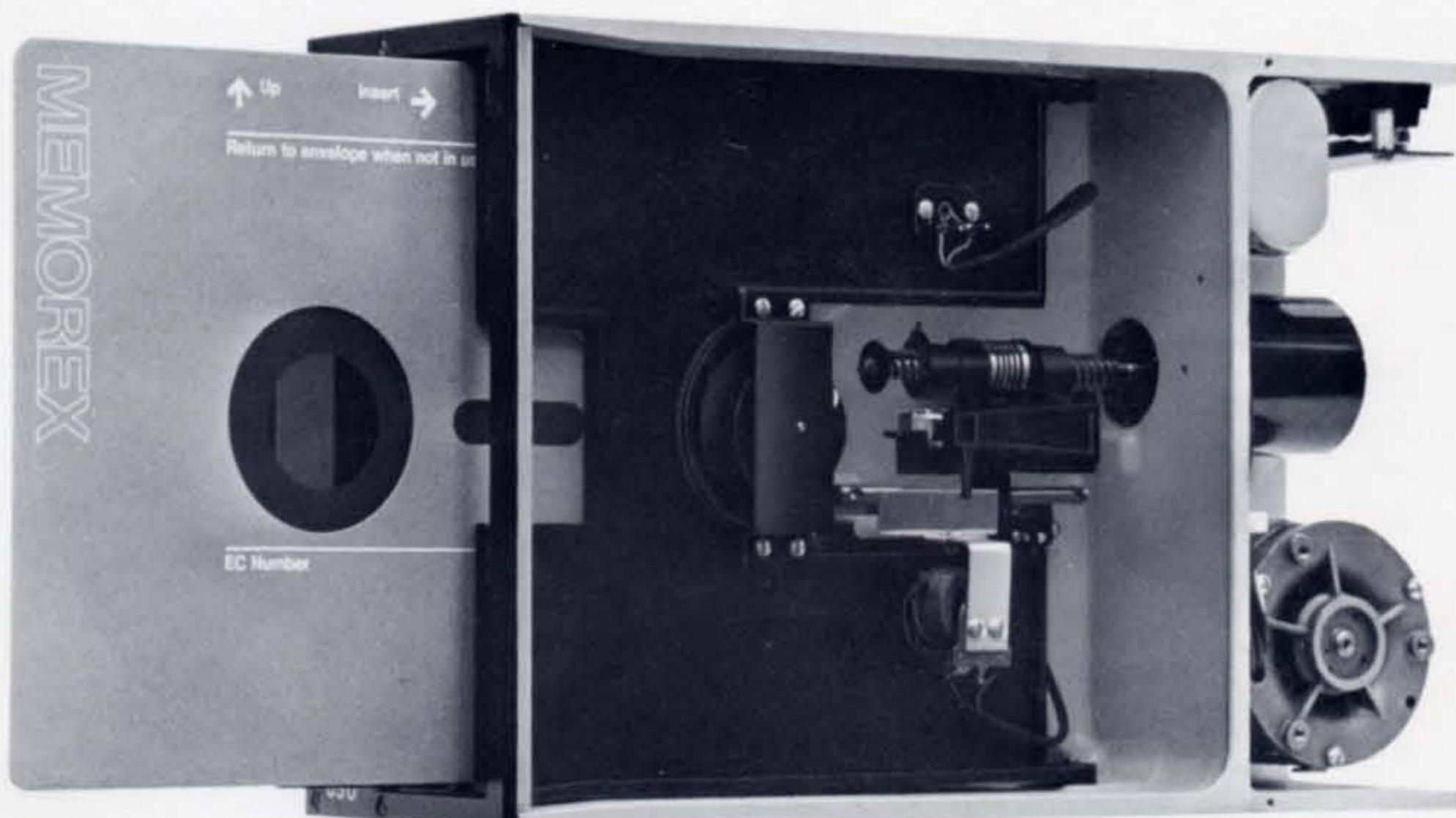
The FD/III Flexible Disc Cartridge is composed of a Mylar® disc substrate coated with a magnetic oxide and encased in a flexible plastic envelope, eight inches square by one-sixteenth inch thick, which provides protection during handling, operation and storage. The disc is 7.5 inches in diameter, and it has eight holes spaced around the periphery for sector definition, plus one additional hole for indexing.

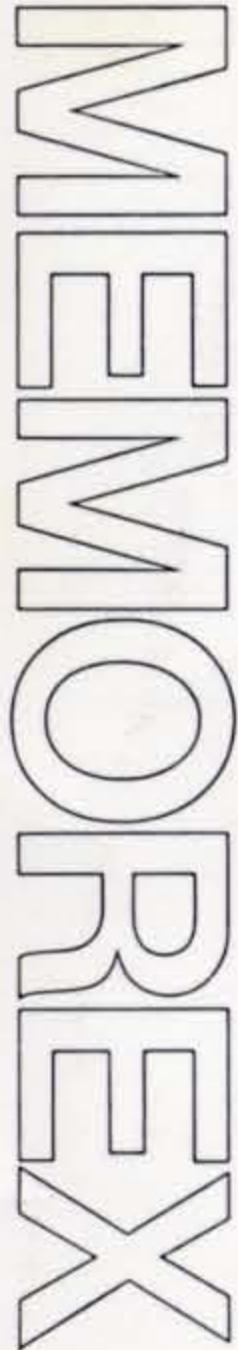
The 650 Flexible Disc File can write and read discs interchangeably from unit to unit. For those applications not requiring a write capability, read-only capability is available.

The 650 Flexible Disc File is designed for applications that require a small, low cost data storage device, yet demand a much higher degree of performance and reliability than is available in cassette, cartridge, or small reel-to-reel tape drives. Typical applications for the Memorex 650 are control store loading, auxiliary storage, data logging, key-entry recording, programmable calculator storage, point-of-sale recording and accounting machine storage.

MEMOREX

650 Flexible Disc File





650 Flexible Disc File

650 Flexible Disc File Features

Designed for digital applications
1.5 megabit capacity
200 kilobits per second transfer rate
Recording media is simple, convenient and reliable.

650 Flexible Disc File Characteristics

Capacity

Maximum record length Sectorized, 8/track	3.5 kilobits
Maximum record length Indexed, 1/track	30 kilobits
Maximum disc capacity Sectorized	1.4 megabits
Maximum disc capacity Single record	1.5 megabits

Recording Density

Approximate bit density (inside track)
2400 BPI

Format

Sectors per track	8
Index per track	1

Rotational Speed

375 RPM

Access Time

Track-to-track 20 ms

Tracks

50 per disc

Recording Mode

Frequency modulation

Data Rate

200 kilobits per second

Operational Environment

60° to 100°F
20% to 80% RH with maximum wet bulb 78°F

Power

Primary
110 VAC, single phase, 50/60 Hz

Secondary
+24 VDC, 2.0 amp
-15 VDC, 0.16 amp (or -12 VDC)
+ 5 VDC, 0.60 amp

Heat Dissipation

280 BTU per hour, nominal

Physical Dimensions

9" high x 4½" wide x 14" deep

Weight

17 pounds

Options

208/230 VAC, single phase, 50/60 Hz
Read-Only
Slide Mounting Hardware