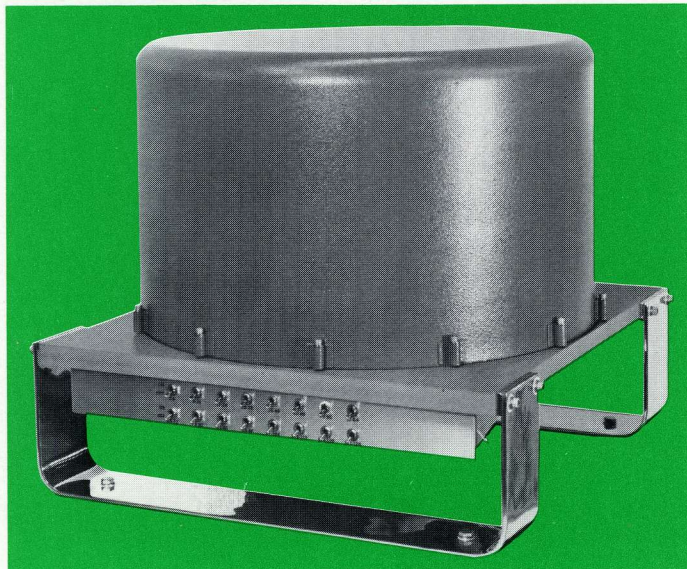


DDC**MODEL
DDC 6200**

6000 SERIES DISC MEMORY SYSTEM



FEATURES:

- Fail-safe, non-contact flying heads
- Modular design
- Two models available: 6200 (64 or 128 tracks)
- Complete Read/Write electronics
- TTL interface
- Field expandable
- Dry gas environment/sealed enclosure
- Fast access—8.7 milliseconds
- Rugged
- Reliable
- Up to 9 million bits storage

DESCRIPTION

The 6000 Series low-cost disc memory system is a modular, low to medium capacity, head-per-track memory package designed for mass storage of 4.6 million to 9.2 million bits of data in a variety of random access computer applications. These units provide a completely self-contained rapid access memory system for use by system builder, computer manufacturer, and data processing user. Each Model of the 6000 Series includes circuitry for reading, writing, track selection and generation of timing signals. All input and output signals interface at standard TTL integrated circuit logic levels.

The basic system is designed for installation in a standard 19-inch cabinet.

RELIABILITY

The memory device is shock-mounted within a sealed enclosure which is filled with a dry gas. This controlled environment completely protects the unit from dust, dirt, moisture, or any other contaminating elements and provides the proper operating medium for the flying heads.

HEAD-PER-TRACK ORGANIZATION

The field-proven non-contact head-per-track design of the 6000 Series provides for fast access—8.7 ms average access time—with high device reliability.

The combination Read/Write heads are organized in groups of 64. Each group services one disc surface. The heads are actuated into flying position pneumatically and are mechanically restrained away from the disc surface in the non-operating condition. The heads never touch the recording surface and are basically insensitive to shock and vibration. No head adjustment or calibration is required. The head assemblies are completely interchangeable.

MODULAR DESIGN

The modular system of multiple heads allows the capacity of the 6000 to be tailored to individual requirements. By specifying the number of heads for your application, you buy only the initial capacity and expansion capability that you need. Additional head assemblies are easily added in the field.

Specifications subject to change without notice

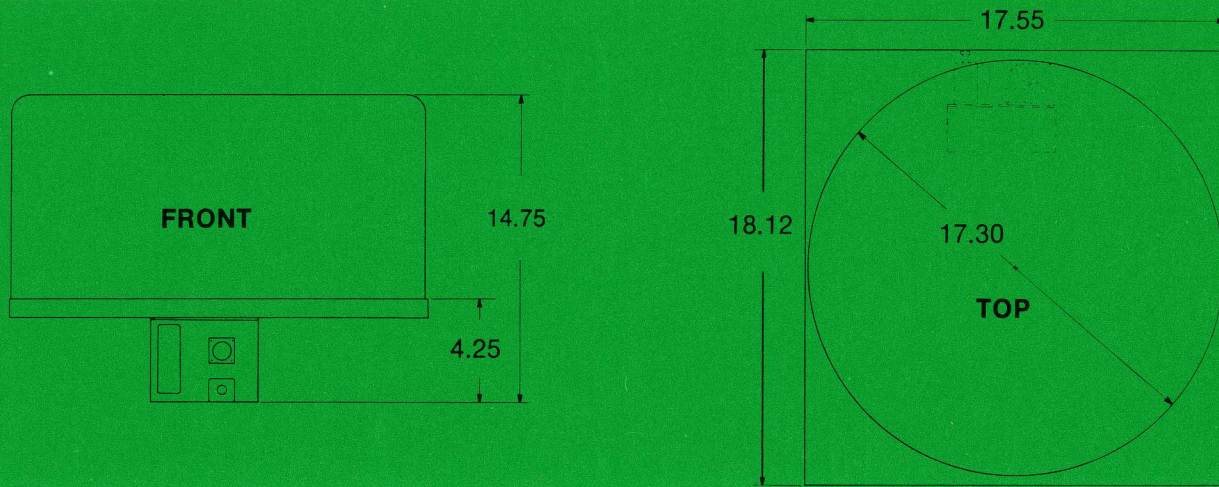
DIGITAL DEVELOPMENT CORPORATION

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6000 SERIES DISC MEMORY SYSTEM

MODEL
DDC 6200

SPECIFICATIONS



DATA CAPACITY:

Model	Number of Tracks	Max Capacity Bit $\times 10^6$
6200-64	64	4.61
6200-128	128	9.22

BITS PER TRACK: 72,000 (max)

DATA RATE: 4.14 MHz nominal (60 Hz)
3.46 MHz nominal (50 Hz)

DISC SPEED (Nom): 3450 (60 Hz)
2875 (50 Hz)

ACCESS TIME (Avg): 8.7 ms (60 Hz)
10.4 ms (50 Hz)

INPUT/OUTPUT LEVELS: Standard TTL

TEMPERATURE: Operating —
+32°F to 110°F
0°C to +45°C
Non-operating —
-40°F to +160°F
-40°C to +70°C

HUMIDITY: Operating/Non-Operating
— 5% to 95%

ALTITUDE: Operating —
15,000 ft.
Non-operating —
50,000 ft.

SHOCK AND VIBRATION: Operating/Non-Operating
— 5 G's

AC POWER REQUIRED: 115 VAC $\pm 10\%$, 1 ϕ
50 or 60 Hz

DC POWER REQUIRED: +25V, -12V, +5V

**SIZE ($\pm 1/16$ "): 14 $3/4$ " H
17 $9/16$ " W
18 $1/8$ " D**

WEIGHT (Max): 100 Lbs.

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