

WANG

LABORATORIES, INC.

836 NORTH STREET, TEWKSBURY, MASSACHUSETTS 01876, TEL. (617) 851-4111, TWX 710 343-6769, TELEX 94-7421

DATA SHEET

Wang's Model 2217 Single Tape Cassette Drive is a System 2200 peripheral unit which adds convenient, low-cost bulk storage capabilities to the system, using magnetic tape cassettes.

The Model 2217 cassette drive has two manual controls — a Door Release button for cassette mounting/dismounting and a Rewind button to initiate high-speed rewinding. The drive is operated under BASIC language control by using the unique device address assigned to its controller board which plugs into any I/O slot in a System 2200 Central Processing Unit (CPU). When I/O slots are available in the CPU, several Model 2217 units can be added to a System 2200 configuration.

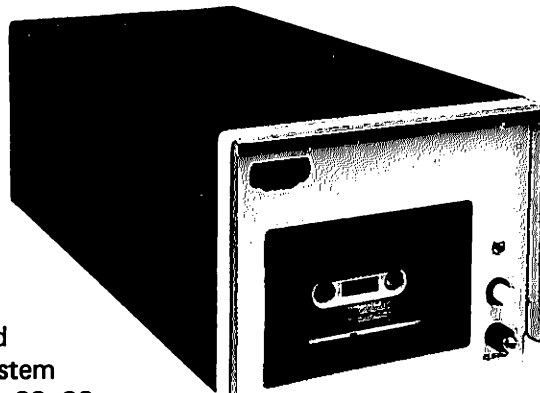
Programs and data can be recorded on, and read from, tape cassettes using BASIC language statements designed for cassette operations. Information recorded on tape cassettes is formatted automatically in 256-byte blocks called physical records, and each record is recorded twice to ensure the integrity of the information.

The SAVE command automatically formats a "program file" with a header record, program records (as many as required to store the program text), and a trailer record. A program can be recorded with or without an identifying name (up to eight bytes long). If the parameter P is specified, a program is recorded as a "protected program file" — such programs can be read into memory and executed, but they cannot be listed or duplicated.

The DATASAVE statement automatically formats a logical record consisting of as many physical records as required to store all the values corresponding to a specified argument list. If the parameter OPEN and a name are specified, a data file header record is formatted. Similarly, if the parameter END is specified, a data file trailer record is formatted.

The LOAD statement reads program text and the DATALOAD statement reads data from tape cassettes into memory. SKIP and BACKSPACE statements instruct a drive to pass over a specified number of program and data files, or to pass over a specified number of logical records.

Other cassette statements (DATASAVE BT and DATALOAD BT) are available in the standard System 2200B, C, or T, or the System 2200S with Option 22, 23 or 24. DATASAVE BT and DATALOAD BT statements provide capabilities useful for program conversion and packing operations, or tape duplicating operations.



MODEL 2217 SINGLE TAPE CASSETTE DRIVE

DATA SHEET

Magnetic tape cassettes are available in 75-foot (22.8-meter) and 150-foot (45.7-meter) lengths. Approximately 300 automatically-formatted, dually-recorded records can be stored on a 150-foot cassette, i.e., approximately 76,800 bytes. Any cassette recorded on a Model 2218 Dual Tape Cassette Drive can be used, without modification, on a Model 2217 unit (and vice versa).

SPECIFICATIONS

Physical Size

Height 7-1/8 in. (18.1 cm)
Width 7-1/2 in. (19.1 cm)
Depth 16-1/2 in. (41.9 cm)

Site Size (Door Open)

7-1/8" x 7-1/2" x 17-1/2" (18.1 cm x 19.1 cm x 44.5 cm)

Weight

21 lb (9.5 kg)

Power Cable

8 ft (2.4 m)

Cable to CPU

8 ft (2.4 m)

Power Requirements

115 or 230 VAC \pm 10%
50 or 60 Hz \pm 1/2 cycle
80 Watts

Operating Environment

50°F to 90°F (10°C to 32°C)
40% to 60% relative humidity

Stop/Start Time

.09/.05 sec

SPECIFICATIONS (Cont.)

Recording and Search Speed

7.5 in./sec (19 cm/sec)

Rewind Speed

7.5 ft/sec (2.3 m/sec)

Transfer Rate

326 bytes/sec (including dual-recording and inter-record gaps)

Cassette Capacity

Approximately 300 automatically-formatted, dually-recorded 256-byte physical records per 150-ft tape cassette (that is, approximately 76,800 bytes).

Cassette Part Numbers

75-ft (22.8 m) Cassette (Part Number 174-1250)
150-ft (45.7 m) Cassette (Part Number 174-1251)

Accessories

2 Blank Cassettes (Part Number 174-1251)
12 Cleaning Pads (Part Number 660-0130)

ORDERING SPECIFICATIONS

A single tape cassette drive and controller board compatible with Wang's System 2200. The drive must operate under program control using the BASIC language statements designed for cassette operations. The drive must be capable of controlling a 150-foot (45.7 m) magnetic tape cassette during recording/reading operations for up to 300 automatically-formatted, dually-recorded 256-byte blocks per cassette.

Standard Warranty Applies

Wang Laboratories reserves the right to change specifications without prior notice.



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