



TC-130 UNIVERSAL MAGNETIC TAPE CONTROLLER

FOR USE WITH DEC PDP-11 COMPUTERS

Combines both PE and NRZ
formats on boards to fit all
DEC PDP-11 computers.

Available separately
and as a total system.



The Western Peripherals TC-130 Magnetic Tape Controller offers users the convenience of both Phase Encoded and NRZ formats consolidated onto plug-in PC boards. In addition, it provides the ability to mix 7-track and 9-track NRZ, PE or dual-density tape units in any combination up to eight units.

On 7-track, it's 4-4-4-4 pack allows the user to dump core memory onto tape; and a 33-word data buffer instead of the usual two-byte buffer gives greater flexibility in assigning priorities to the computer.

Read-and-write on the fly, another feature, allows automatic non-stop operation when doing consecutive read-write operations, and it saves switching time when switching between multiple tape units. This is accomplished automatically without special software.

DEC PDP-11 COMPATIBLE

The TC-130 is software compatible with all PDP-11 series computers. The boards plug into the computer and connect with the tape drive through the rear of the computer.

All tape drives designed to be compatible with the industry standard interface can be used with the TC-130. These include drives operating at 12.5 to 125 ips from Kennedy, Wangco, Cipher, Pertec, Amcomp, and Qantex.

The TC-130 is supplied with a one-year warranty and instructions. Cables desired to connect the computer to the tape drives must be specified separately.

TS-130 MAGNETIC TAPE SYSTEM

Complete Western Peripherals magnetic tape systems for PDP-11 series computers are designated TS-130. These systems consist of the TC-130 Magnetic Tape Controller installed in the computer (supplied by the user) and a specified tape drive or drives which may be ordered from Western Peripherals or supplied by the user.

The system is fully integrated, tested and shipped with a one-year factory warranty. For prices, contact Western Peripherals with the tape drives specified, cable lengths and other requirements. A detailed quotation will be issued promptly.

FEATURES

- Fits all PDP-11 series computers.
- Embedded, provides both PE and NRZ formats.
- Controls up to eight tape units.
- Allows mixing 7-track or 9-track, PE, NRZ or dual-density tape units in any combination.
- Provides 4-4-4-4 pack on 7-track for dumping core memory onto tape.
- Permits automatic read-and-write on the fly for consecutive read-write operations.
- 33-word data buffer increases flexibility in assigning priorities when programming data transfer.
- Available separately or as a complete system.
- One-year warranty for controllers and systems.
- Word transfer of data used where byte transfer not necessary.
- IBM and DEC byte packing.
- Competitively priced.
- 30-day delivery on controllers. 45- to 60-day delivery on systems.
- IBM 360 compatible 7/9 channel format.
- Read-after-write parity check.
- Checks VRC and LRC.
- Handles up to full-size 2400-foot tape reels.
- Allows user to edit previously recorded records.
- Comprehensive diagnostic programs.

TC-130 UNIVERSAL MAGNETIC TAPE CONTROLLER

FOR ALL DIGITAL EQUIPMENT CORPORATION PDP-11 COMPUTERS

COMMAND SET

The following functions are performed on command by the computer-stored program:

- Write (one record)
- Read (one record)
- Write end-of-file (EOF)
- Space reverse
- Space forward
- Write with gap (erase 3 inches of tape before writing)
- Select unit number 0, 1, 2, 3, 4, 5, 6, 7
- Rewind
- Unload
- Test Read
- Load address or word count register
- Odd-even parity on 7-track
- High-low density 7- or 9-track
- Power clear

READ STATUS

Status information returned from the peripheral controller to the central processor indicates the conditions at the controller. These conditions include:

- End-of-tape
- End-of-file

- Non-existent memory
- Incorrect record length
- Illegal command
- Tape rewinding
- Tape ready
- Beginning of tape
- Parity error
- Identification status (PE only)
- Bad tape status
- File protect status
- Density status
- 9-track status
- Tape settle-down
- Bus grant late

OPTIONS

Cabinets: Both dual-bay and single-bay cabinets are offered.

Custom Cables: Special length cables available up to 60-foot total.

Colors: Special paint colors available on tape transports.

SOFTWARE

Input/Output Sub-Routine

A comprehensive stand alone driver is supplied by Western Peripherals on request.

GENERAL INFORMATION

DIAGNOSTIC PROGRAM

Comprehensive diagnostic programs are supplied with all control systems for testing the Western Peripherals Magnetic Tape or Disc Controller, and insuring compatibility with the standard operating system under dynamic operation conditions.

ORDERING INFORMATION

All sales are FOB Tustin, California. Payment terms are Net 30 days subject to credit approval. Specifications listed are subject to change without notice.

SERVICE

Western Peripherals' combination of nationwide contract service and worldwide Distributor service network assures you of support at almost any point on the globe. Customer training is available at the Western Peripherals plant for both controllers and drives. It is provided at a nominal cost for material and supplies or can be quoted at the customer's site.

CUSTOMER SERVICE CENTERS

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