

DIGITAL EQUIPMENT CORPORATION

decsystem10

OPTION BULLETIN

TU40 DECmagtape



digital

TU40 DECmagtape Features

- Automatic loading of 5", 8½", and 10½" reels and automatic loading of industry-standard tape cartridges
- Automatic power window
- Selectable recording densities on both seven- and nine-channel drives of 200, 556, or 800 cpi NRZI
- Single capstan drive and air bearings at point of wear provide reliability and trouble-free operation
- TU40 may be mixed with other DEC drives on the same TM10B controller
- Standard file protection using ANSI-standard write rings
- ANSI-standard recording methods

The TU40 DECmagtape transport provides the latest design features for easy operation and high-performance reliability.

The power window and automatic threading features eliminate a great deal of effort in mounting tapes. To load the unit, the operator simply places the supply reel on the hub and pushes the load button. The TU40 then automatically loads itself and is ready for operation in seven seconds.

The TU40 accepts all standard tape reels—five-inch mini-reels and 8½ and 10½-inch, 2400-foot reels. In addition, TU40's accept industry-standard cartridges.

The tape path of the TU40 is constructed to provide gentle tape handling characteristics. For example, the only surfaces the oxide touches are the tape cleaner and the read/write head. (During rewind the tape is removed from these surfaces.) Air bearings are used at all tape turnaround points to eliminate lateral tape forces which cause damage to the edges of the tape.

Tape is also maintained in the vacuum column during rewind, providing constant tape tension to produce a uniform tape pack in the rewind reel.

Specifications

Transfer rates	120 kc at 800 cpi, 83.4 kc at 556 cpi and 30 kc at 200 cpi.
Tape speed	150 ips
IRG	0.6 inch, 9-track 0.75 inch, 7-track
Load time	7 seconds
Start/Stop time	2.5 milliseconds
Rewind speed	500 ips average
Rewind time (2400-foot reel)	66 seconds maximum
Power	115/230 VAC 50/60 Hz
Power consumption	2.3 KVA
Heat	5200 BTU's per hour
Operating temperature	50°F to 110°F
Non-operating temperature	-30°F to 150°F
Humidity operating non-operating	20% to 80% 5% to 95% (no condensation)
Altitude operating non-operating	10,000 feet 20,000 feet
Height	67 inches
Width	30½ inches
Depth	30 inches
Weight	900 pounds

DESIGNATIONS

TU40-A	9-channel, 60 Hz
TU40-B	9-channel, 50 Hz
TU41-A	7-channel, 60 Hz
TU41-B	7-channel, 50 Hz

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