

APPENDIX A
TK50 TAPE DRIVE SPECIFICATIONS

Mode of operation	Streaming
Read/write method	Serpentine
Recording method	MFM
Recording medium	1/2 inch wide, 600-foot long magnetic tape
Start speed	130 msec min, 300 msec max
Stop speed	90 msec min, 130 msec max
Start distance	5 inch min, 12 inch max
Stop distance	3.5 inch min, 5 inch max
Recording density	6667 bits per inch
Number of tracks	22
Data rate	360 Kbits/sec (45 Kbytes/sec)
Tape speed	75 inches per second
Read time	35 minutes min for a full tape
Storage capacity (unformatted)	131 megabytes
Input voltages	+12 Vdc +/-5% +5 Vdc +/- 5%
Environmental Requirements: Modified Class-B DEC Spec 102	
Operating temperature	10 to 40°C (50 to 104°F) non-condensing. Reduced by 1.8°C/1000 ft (1°F/1000 ft) altitudes above sea level.
Non-operating temperature	-30 to 66°C (-22 to 151°F)
Operating/non-operating humidity	10 to 80% RH max wet bulb 28°C (82°F) and min dew point 2°C (36°F)
Physical Specifications	
Size	5.75 in X 3.25 in X 8.44 in (not including bezel)
Weight	5 lbs not including cartridge