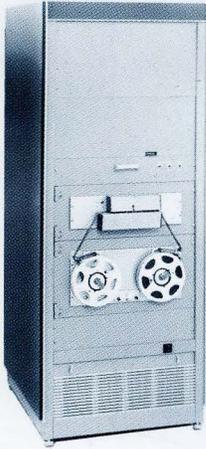


Datacraft

Product Bulletin No. PB61107-00



PAPER TAPE PUNCH/READER SYSTEM MODELS 6002 & 6003

FEATURES

The Datacraft Models 6002/6003 Paper Tape Punch and Reader System provides the Series 6024 digital computers with high-speed capabilities to process paper tapes. The entire system, containing the Paper Tape Punch, Paper Tape Reader, Paper Tape Handler (spooler) and interface control logic, is housed in the Datacraft Model 6026 Peripheral Cabinet.

Capable of punching data on 5, 6, 7, or 8-level tapes, the Model 6003 Paper Tape Punch is capable of operations at up to 110 characters per second. All control and data signals are provided by the system controller which serves as an interface between the computer I/O channel and the tape punch device. The entire operation is under program control, including punch on/off power. As each character is received and punched, a new character is loaded into the input buffer. Each new character will remain in the buffer until it has received acknowledgment that the preceding character has been punched.

A direct drive capstan is employed in the tape supply mechanism to insure accuracy for high-speed operation. The reader employs the photoelectric principle to read perforated tapes at speeds of 300 (Model 6002-10) or 600 (Model 6002-20) characters per second. Control of the tape reader is maintained completely by the computer program via the interface controller.

The Interface Controller consists primarily of control circuitry and a buffer register to serve as the connecting link between the computer I/O channel and the tape reader. The controller provides a transfer path for the incoming data from reader to I/O channel which is controlled by signals received from both systems.

The Model 6002-21 Perforated Tape Handler (spooler) is a high-speed, bidirectional unit utilized to supply paper tape to the reader at the required speed and tension. The Handler also serves to collect the tape after it has been read. Available options permit either local or external control of AC power, remote control of the forward and reverse functions and remote control of tape speed during the rewind mode.

SOFTWARE

In addition to the standard Paper Tape diagnostic program, four operating system programs are available to fully utilize the hardware capabilities. These systems include the Resident Operating System (ROS), Tape Operating System (TOS), Disc Operating System (DOS), and the Disc Monitor System (DMS).

SPECIFICATIONS

Paper Tape Punch

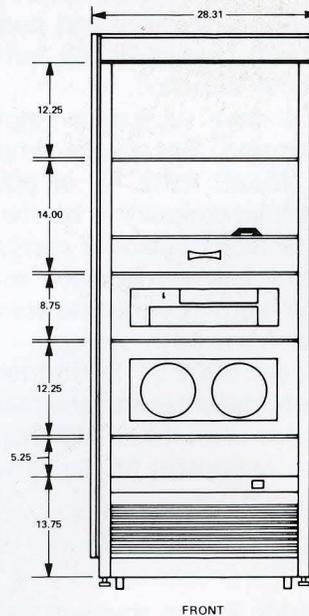
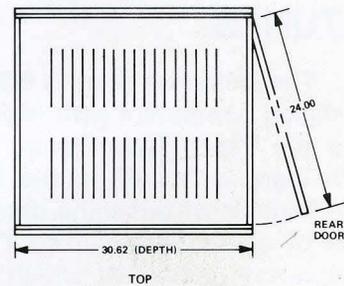
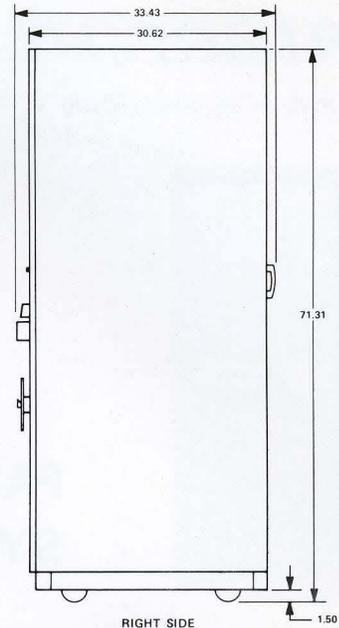
Punching Speed	Up to 110 characters per second		
Tape Levels	5, 6, 7 or 8 with in-line feed holes 6 with advanced feed hole.		
Tape Widths	11/16 inch (5 level) 7/8 inch (6 and 7 level) 1 inch (8 level)		
Power Requirements	115 vac \pm 10%, 60Hz \pm 1%, Single Phase		
Power Dissipation	65 watts at nominal voltage		
Dimensions	<u>Width</u>	<u>Height</u>	<u>Depth</u>
	24 inches	14 inches	18.5 inches
Weight (approximately)	75 pounds		

Paper Tape Reader

Drive	Unidirectional		
Reading Speed	Model 6002-10 300 characters per second Model 6002-20 600 characters per second		
Type of Paper	Paper, Paper-Mylar, Aluminized Mylar or solid Mylar; 0.0025 to 0.005 inches in thickness.		
Power Requirements	117 vac \pm 10 volts, 48 to 62Hz Single phase at 0.65 amps		
Power Dissipation	150 watts maximum		
Temperature			
Operating	0°C to 55°C		
Storage	-55°C to 65°C		
Humidity			
Operating	10% to 90% RH (noncondensing)		
Storage	0 to 90% RH (noncondensing)		
Dimensions	<u>Reader</u>	<u>Panel Assembly</u>	
Front Panel Width	19 inches	24 inches	
Front Panel Height	5.25 inches	8.75 inches	
Depth Behind Front Panel	9.125 inches		
Protusion from Front Panel	2.75 inches		
Weight (approximate)	40 pounds		

Paper Tape Handler (spooler)

Tape Drive & Rewind	Bidirectional		
Tape Speed	1000 characters per second		
Rewind Speed	1800 characters per second		
Tape Width	11/16 inch to 1 inch		
Reel Size	8 or 10.5 inches O.D.		
Reel Capacity			
8 inch	600 feet of 4.5 mil tape 800 feet of 2.5 mil tape		
10.5 inch	1200 feet of 4.5 mil tape 1800 feet of 2.5 mil tape		
Power Requirements	117 or 230 vac \pm 10 volts 47 to 63Hz, Single Phase		
Power Dissipation			
Idle	75 watts maximum		
Run	350 watts maximum		
Peak	650 watts maximum		
Temperature			
Operating	0°C to 55°C		
Storage	-55°C to 65°C		
Humidity			
Operating	0 to 90% RH at 55 C (noncondensing)		
Storage	100% RH (noncondensing)		
Dimensions			
Height	8.75 inches		
Width	19 inches		
Depth	Behind front panel, 8 inches Protrusion from front panel, 3 inches		
Weight	36 pounds		



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