

NEW

9-TRACK

Reel-to-Reel

TAPE

DRIVES

PMT-1, High Reliability Tape Drive with 9-Track Plug-Compatibility with Existing Tape Drives.

Featuring:

- Pertec or SCSI Interface
- Microprocessor Controlled
- Optional Formatter
- Rugged and Reliable

COMPATIBILITY

The PMT-1 is a 9-track ½-inch magnetic tape unit compatible with most tension arm tape drives using the Pertec or SCSI interface standards. Numerous tape drives from Kennedy, Pertec, Cipher, Digi-Data, H-P, and Teac, along with many other brands, are compatible with the PMT-1. Therefore, it can replace most installed units, or be used concurrently, without requiring change in the system or application code.

9-Track LEGACY DATA STORAGE

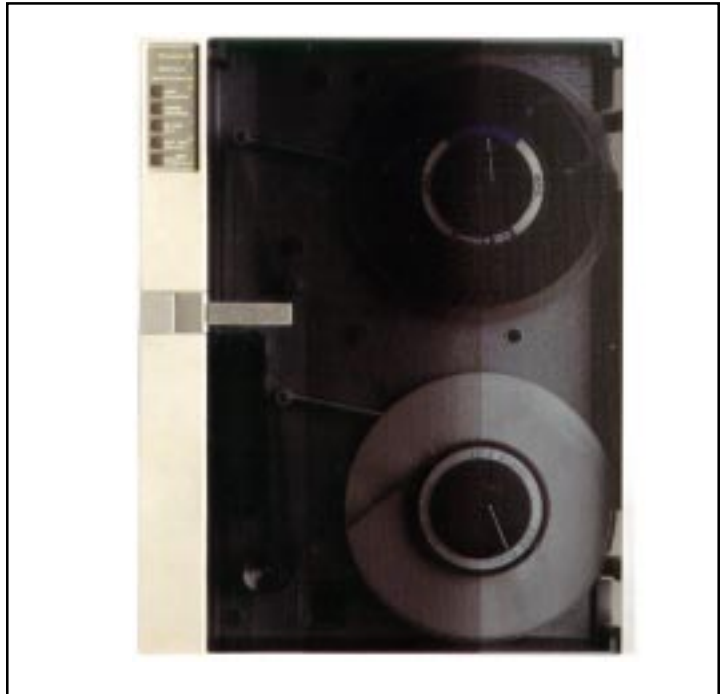
Many computer systems use ½-inch tape drives for data interchange, saves & restores, and batch processing. The telecommunication operations, in particular use this type of peripheral equipment in their switching centers to record critical information such as logging and billing information. The PMT-1 is available to improve production of the computers and secure billing operations, without the obligation to make software changes. The PMT-1 is a robust, fully compatible tape unit, offering high reliability and additional benefits.

EASE of USE

This device has the same appearance and size as the vertical reel-to-reel tape units it replaces. Operator controls are also similar, with the unit operating in the start/stop mode. Hence, operators will be able to immediately utilize the PMT-1 without retraining.

CAPACITY

The PMT-1 processes 800 bpi (NRZI) and 1,600 bpi (PE) 9-track magnetic tapes. It offers an unformatted capacity of 45 MB at a density of 1,600 bpi. It is available to operate at speeds of 12.5 to 37.5 ips. Typical rewind speed is 150 ips.



Pertec Magnetic Tape Drive, PMT-1, with Convenient Controls.

RELIABILITY

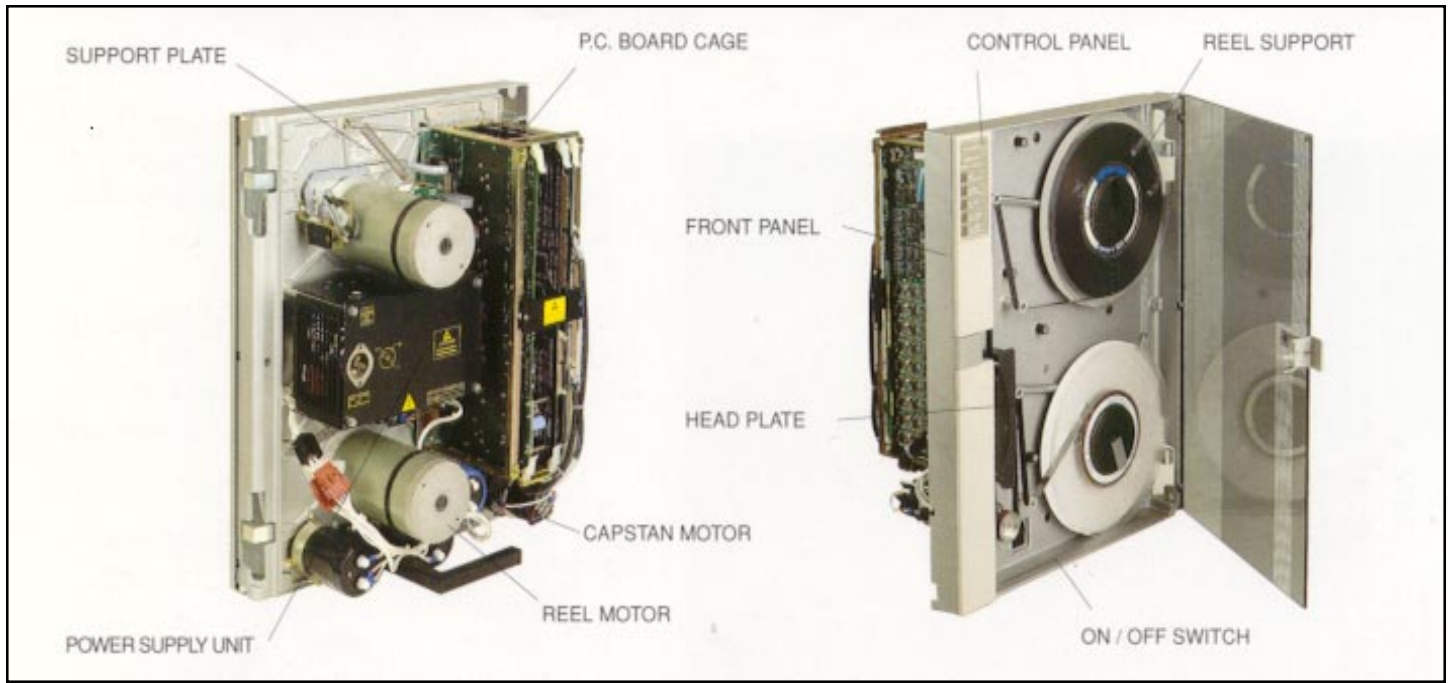
By using microprocessor control technology, the PMT-1 provides a high level of reliability. MTBF is in excess of 25,000 hours. The PMT-1 will operate in severe environments of temperature, shock, and vibration. It is compliant with the IEC 950 safety standards.

EASILY MAINTAINED

Modular construction of the PMT-1 facilitates maintenance and provides a low MTTR. Electronics are housed in a card cage for rapid service. Other than normal head cleaning, the PMT-1 has no scheduled maintenance requirements. Reliable operation and nearly continuous availability is provided by the PMT-1.

IMPROVED PRODUCTIVITY

The new PMT-1 tape drive will enhance the productivity of installed systems and improve production reliability. It can be used to replace existing tape drives, or as an easy add-on for upgrading system capabilities. Software changes are not required due to its full 9-track tape compatibility. The PMT-1 will be immediately familiar to the operator. Optional 48-60 VDC operation is available for telephone switching centers and telecommunication sites.



Rugged Industrial construction of the PMT-1 provides reliability and maintainability.

SPECIFICATIONS

GENERAL

Tape Reel Diameter	7, 8.5, or 10.5 inch diameter
Tape Length	600, 1200, 2400, 3600 ft.
Tape Width	0.5 inch
Standard usage	ECMA (IBM compatible)
Head	Dual gap with erase head
Number of tracks	9
Connections	3, 36 pin connectors. Custom cable extensions and adapters available.

PERFORMANCE

Operating Mode	Start / Stop
Transfer Rate	10 KHz to 75 KHz
Number of Tracks	9 (IBM compatible)
Density	800 bpi and 1600 bpi
Recording Mode	NRZI / PE
Speed	12.5, 25, 37.5 ips, factory set.
Start/Stop Time	10 ms at 37.5 ips 15.2 ms at 25 ips 30.4 ms at 12.5 ips
Speed Variation	±1% long term ±4% instantaneous
Rewind Speed	150 ips typical
Rewind Time	3 min (2,400 ft)
Capacity	45 MB at 1600 bpi, 2400 ft.
Interface Standard	Pertec or optional SCSI interface. Compatible with most existing systems.

ENVIRONMENTAL

Temperature, Operating	5 °C to 45 °C (41 °F to 113 °F)
Storage	-45 °C to +70 °C (-50 °F to 158 °F)
Relative Humidity	15% to 95% R.H. (Non-condensing)
Altitude, Operating	20,000 ft (6,096 m)
Storage	50,000 ft (15,240 m)
Electrostatic Discharge	4 KV without errors (per IEC 801-2)

RELIABILITY

MTBF	>25,000 hours.
MTTR	30 minutes.

POWER

Input Voltage	105, 115, 210, 220, 230 VAC (+10 -15%), factory set - field alterable. Optional 48 - 60 VDC (± 20%)
Frequency	43 - 62 Hz
Power	300 Watts (Maximum)

PHYSICAL

Size	<i>High x Wide x Deep</i> 24 in. x 19 in. x 10.25 in. 610 mm x 483 mm x 260 mm 19-inch Rack Mount
Weight	90 lbs 41 kg

Specifications subject to change without notice.

AVAILABLE OPTIONS

Opt-2X	SCSI Interface
Opt-6X	Internal Formatter
Opt-3X	48-60 VDC Operation
Opt-2X	SCSI Interface
Opt-6X	Running Time Indicator

More Options Available.