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.

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.
**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
- Speed Variation: ±1% long term
- 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**
- Frequency: 43 - 62 Hz
- Power: 300 Watts (Maximum)

**PHYSICAL**
- Size: 24 in. x 19 in. x 10.25 in.
- Weight: 90 lbs

Specifications subject to change without notice.

**AVAILABLE OPTIONS**

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*More Options Available.*