

# KENNEDY CO.

WORLD'S LEADER IN LOW-COST DIGITAL RECORDERS

The Model 2800 series are low-cost, synchronous magnetic tape recorders capable of reading or writing IBM compatible tapes at data transfer rates from 2 KHz to 12 KHz, (10 ips at 200 BPI to 15 ips at 800 BPI.) Electronics include CRC, LRC, and VRC generation as well as properly dimensioned IBM compatible gaps. Standard 8½", 1200 ft. reels of ½" computer grade tape can be accommodated as can smaller reels of less capacity.

#### Tape drive system

The Model 2800 series utilize a velocity-controlled, high-performance 180° wrap, single capstan drive. Tape speeds, including rewind, are under capstan control at all times, while maintaining an ISV of ±3% and LTSV of ±1%.

Tape tension is maintained by reel servos responding to signals generated by mechanical buffer arms.

Tape guiding duplicates that of IBM transports and tape loading path is simple and straightforward allowing ease of loading by inexperienced personnel. Tape wear is minimized by the fact that the oxide touches friction points in only two places.

#### Electronics

All electronics utilize silicon solid state and integrated circuits throughout, which insures high-reliability and simplicity of design. Small functional printed circuit cards together with motherboard construction eases spare card stocking costs and reduces maintenance downtime.

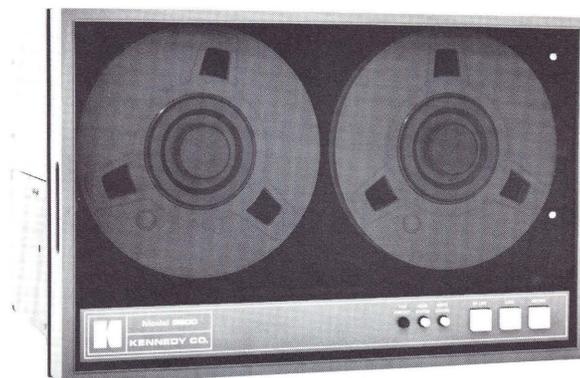
The Model 2800 can be provided with Read, Write, Read/Write or Read-After-Write electronics. Recording format may be seven-channel 200, 556 or 800 BPI, or nine-channel 800 BPI.



SYNCHRONOUS SERIES

Synchronous magnetic tape recorder

## MODEL 2800



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## SPECIFICATIONS / MODEL 2800

<b>Data Density:</b>	200, 556, or 800 BPI (specify one)
<b>Recording Format:</b>	7 or 9 track NRZ1 IBM compatible
<b>Read Format:</b>	7 or 9 track NRZ1 IBM compatible
<b>Tape Velocity:</b>	10 ips to 15 ips
<b>Instantaneous Speed Variation:</b>	±3%
<b>Long-Term Speed Variation:</b>	±1%
<b>Interchannel Displacement Error:</b>	200 microinches (Max.) 556 BPI 150 microinches (Max.) 800 BPI
<b>Write Start/Stop Time:</b>	Start/Stop delays for gap generation internally generated
<b>Read Start/Stop Time:</b>	30 ms ± 2 ms at 12½ ips inversely proportional to tape speed
<b>Start/Stop Displacement:</b>	0.1875 ± 0.0125 inches
<b>Read Data:</b>	7 or 9 read output lines automatically deskewed, supplied with read clock
<b>Gaps:</b>	BOT, IRG and EOF gaps internally generated
<b>Parity:</b>	VRC, LRC and CRC internally generated
<b>Tape Tension:</b>	8 oz. ± 0.5 oz.
<b>Reel Size:</b>	8½", 1200' of ½" 1.5 mil computer grade tape
<b>Drive System:</b>	Single capstan 180° wrap
<b>Rewind Speed:</b>	100 ips
<b>Electronics:</b>	Silicon solid state and DTL logic
<b>Tape Interface:</b>	TTL/DTL compatible low true
<b>Physical Dimensions:</b>	12¼" H x 19" W x 15" D
<b>Mounting:</b>	Standard RETMA Rack
<b>Weight:</b>	75 pounds
<b>Power:</b>	115/230 Vac, 48 to 500 Hz
<b>Operating Temperature:</b>	+2° to 50°C
<b>Altitude:</b>	0 to 30,000 feet (operating)
<b>Humidity:</b>	15 to 95% non-condensing

## OPTIONS AVAILABLE

- Read-After-Write (Dual Gap Head)
- Read Parity Check
- Dual Density Read/Write
- Special Paint
- Vacuum Tape Cleaner
- High True Interface