KENNEDY CO.

WORLD'S LEADER IN LOW-COST DIGITAL RECORDERS

SYNCHRONOUS SERIES

The Model 2812 series are low-cost, high-performance synchronous magnetic tape recorders capable of reading and writing IBM compatible tapes in either 7-track 200, 556 or 800 BPI, or 9-track 800 BPI format. The Model 2812 series were designed specifically for the OEM user and those applications where tape formatting is included in the interface design. The Model 2812 series is a most versatile adjunct to any mini-computer, data terminal or data acquisition system due to the modest tape speeds of 10 ips to 15 ips and data transfer rates to 12 KHz. Standard 8½″, 1200 ft. reels, ½″ computer grade tape can be accommodated as can smaller reels of less capacity.

Tape drive system

The Model 2812 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.

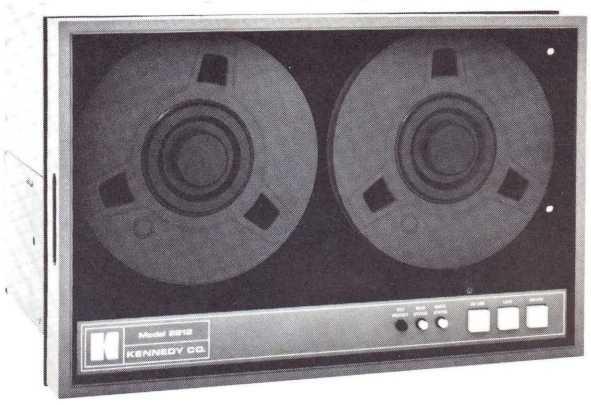
Electronics

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 2812 can be provided with Read/Write or Read-After-Write electronics. Recording format may be seven-channel 200, 556 or 800 BPI, or nine-channel 800 BPI.

Synchronous magnetic tape recorder

MODEL 2812



KENNEDY CO.
540 West Woodbury Road, Altadena, California 91001 • (213) 798-0953

SPECIFICATIONS / MODEL 2812

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

OPTIONS AVAILABLE

Read-After-Write (Dual gap head)
Dual Density
Special Paint
Vacuum Tape Cleaner