



W WANGCO
INCORPORATED

MOD 10

MAGNETIC TAPE SYSTEMS



MOD 10

The WANGCO *Mod 10* is an ideal tape handling system for small computers, data communications systems, keytape, data terminal and data conversion systems.

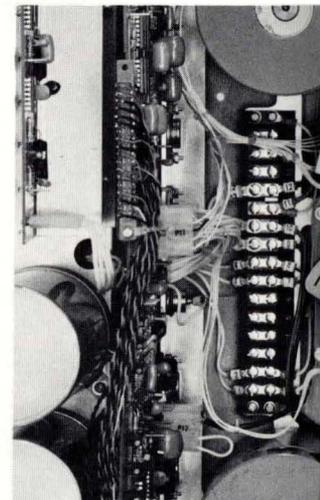
•Maximum reliability in tape interchange is assured through the use of IBM head guide spacing for lowest possible dynamic skew, and electronic deskewing ensures precise bit alignment on the tape.

The *Mod 10* accepts 10½-inch reels, with tape speeds of 25, 37½ or 45 inches per second. It is available in 7-track and 9-track versions, IBM and ANSI compatible, with data densities of 200, 556, 800 and 1600 cpi. Data is read in both forward and reverse directions.

The complete system, designed for 19-inch rack mounting, includes tape transport, read/write head, read/write electronics, control electronics and power supplies. Direct reel drive (no belts or pulleys), optical sensing of servo arm positioning and IBM head guide spacing ensure highest operating and data reliability.

Automatic servo arm retraction, straightforward tape threading path, all controls on the front panel and quick-action hold-down knobs make the *Mod 10* easy to operate.

All control switches are front replaceable, and the tape deck is hinged to provide front access.



NEW! Select 800 cpi (NRZI) and 1600 cpi (PE) with the flick of a switch, with the Dual-Density feature now available on all WANGCO tape drive models. If you're involved with COM, off-line printing, or a computer that requires transitions from NRZI to phase encoded formats, contact us for all the facts about the WANGCO D Series.

SPECIFICATIONS

Tape Speed

12.5, 25, 37.5 or 45 ips

Data Density 9 Track

800 cpi NRZI

1600 cpi PE

(800/1600 cpi optional)

Data Density 7 Track

800/556 cpi NRZI

800/200 cpi NRZI

556/200 cpi NRZI

Start/Stop Time

30.0 ± 1.3 ms at 12½ ips

15.0 ± 1.0 at 25 ips

10.0 ± 0.7 ms at 37½ ips

8.3 ± 0.5 ms at 45 ips

Total Speed Variation

±4% maximum

Start Distance

0.17 ± 0.02 in.

Stop Distance

0.19 ± 0.02 in.

Rewind Speed

150 ips nominal

Dynamic Skew

75 microinches maximum

Static Skew

100 microinches maximum

Reel Size

Up to 10½ in. diameter, IBM compatible

Number of Tracks

7 (IBM)

9 (ANSI)

Recording Mode

NRZI or Phase Encoding

Head Type

Single or dual gap

Tape Tension

8.0 (± 0.5) oz.

Tape

Computer grade, 0.5 in. wide, 1.5 mil

Electronics

Silicon solid-state and 930 series DTL logic

Interface

DTL logic (low true)

Weight

90 lb.

Mounting

Standard 19 in. or 24 in. rack mount

Power

110-125 VAC ± 10% 2.3 Amps.

220-250 VAC ± 10% 1.2 Amps.

48-62 Hz.

Operating Temperature

(room ambient) 40° to 90°F

Non-operating Temperature

30° to 140°F

Relative Humidity (Operating)

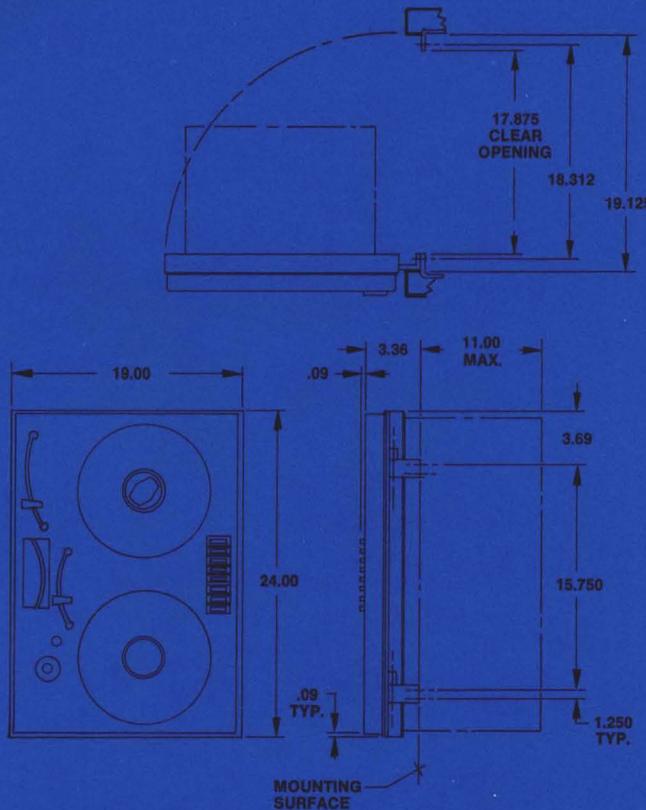
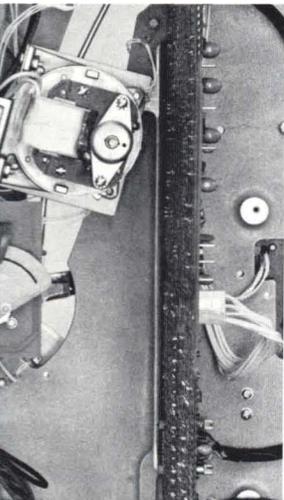
20 to 80%, non-condensing

Relative Humidity (Non-operating)

15 to 95%, non-condensing

Altitude

0 to 20,000 ft.



INSTALLATION DIAGRAM

NRZI, PHASE-ENCODING AND DUAL-DENSITY FORMATTERS AVAILABLE. CONTACT US FOR DETAILED TECHNICAL DATA.

WORLDWIDE SALES AND SERVICE FACILITIES



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