

*A self-contained, dual-channel reproduce-only tape electronics package for professional applications demanding uncompromising performance and reliability.*

### FEATURES:

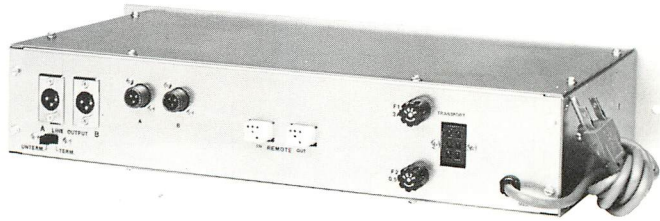
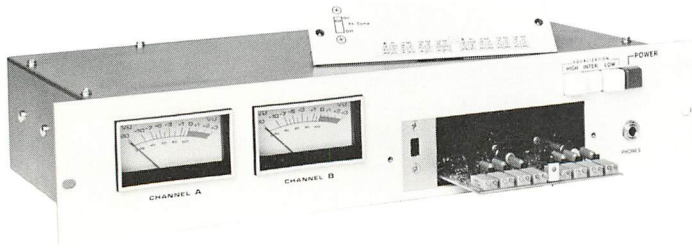
**Accommodates** virtually any tape or film reproduce head. -01 option can be strapped for either Hi-Z or Lo-Z head windings.

**Low Noise Design** utilizes an optimum combination of IC and discrete circuitry for lowest residual noise.

**3-speed Equalization** with wide adjustment range for any combination of NAB and IEC characteristics, at speeds from 3-3/4 to 30ips. Solid state EQ switching is removable for control by transport speed switch.

**Phase Compensation Adjustment** corrects for errors in the recording process which would degrade multi-generation tape copies.

# MODEL 376 SPECIFICATIONS



## Frequency Response (in Hz) (1) (2)

30ips ± 2dB	60 - 22k
15ips ± 2dB	30 - 22k
7-½ips ± 2dB	20 - 16k
3-¾ips ± 3dB	20 - 12k

## Signal-to-Noise Ratio (in dB) (1) (2)

	BIASED TAPE		STANDBY	
	u'wtd	wtd	u'wtd	wtd
30ips	-67	-74	-74	-83
15ips	-63	-72	-70	-81
7-½ips	-65	-73	-70	-81
3-¾ips	-63	-71	-69	-80

## Amplifier Distortion

<0.1% THD at +4 or +8dBm output  
 <0.3% THD at +24dBm output  
 (Clipping level +25dBm)

## Output

Transformer isolated, feeds 600 ohm line, balanced or unbalanced, terminated or not, at +4 or +8dBm for zero-VU.

## Recommended Reproduce Head Inductances

	RANGE	OPTIMUM
-00 version	200mH - 1H	400mH
-01 version	3 - 6mH	4mH
-01 version	200mH - 1H	400mH

## Panel Controls

Pushbutton selection of POWER and HIGH, INTER. or LOW equalization. Hidden slide switch for Phase Compensation enable/disable.

## Trim Controls

For each of two channels: GAIN, PHASE COMP., HF and LF EQUAL. for each of 3 speeds.

## Power Requirement

105 - 130 VAC (230V available), 50/60Hz;  
 .2A (plus transport, if applicable)

## Size and Weight

3-½" x 19" x 10"; 16 lbs.

## Ordering Information

376-00 for Hi-Z reproduce heads only  
 376-01 for Low-Z (or Hi-Z) reproduce heads

(1) Performance will obviously depend on heads used. Specifications were derived utilizing a Nortronics 9213, 400mH 2-track reproduce head, and represent a system with 70 - 80 mil tracks as in 2-, 4-, 8- or 16-track formats.  
 (2) Figures referenced to a "peak" record level 6dB above an Operating Level of 200nW/m. This corresponds to approximately 3dB below the 3% THD point of 3M 206 tape.