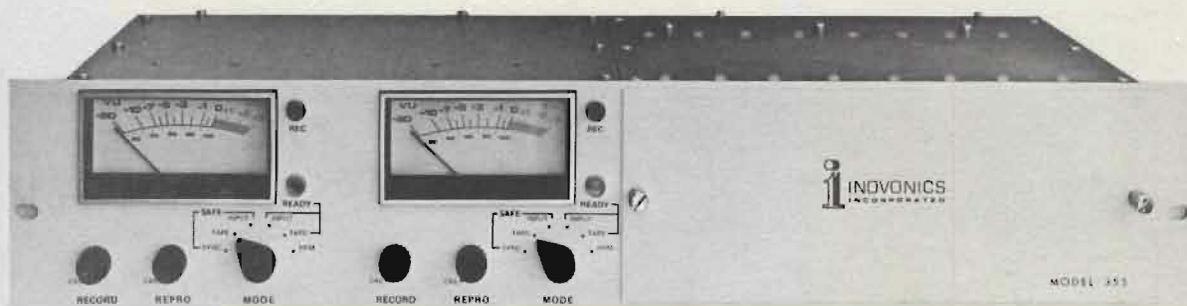


MODEL 355

TAPE RECORDING ELECTRONICS



A multi-featured, professional magnetic recording electronics package equally suited to original installations or for upgrading existing systems in the studio recording, broadcast, or motion picture fields.

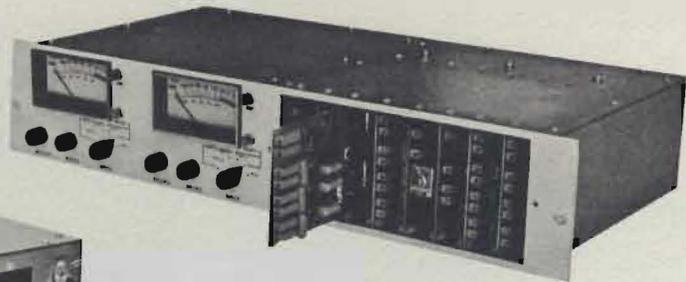
FEATURES

- Compact** — two fully independent channels in a single 3½ inch rack mount chassis.
- 3-Speed Equalization** accommodates any combination of NAB or IEC curves. LF equalization easily defeated at any speed.
- Full Remote Control** of all modes: READY/RECORD; INPUT, TAPE and SYNC monitor. Solid-State switching eliminates contact noise.
- Distortion Reduced** through the use of "linearized" Recording Amplifiers and phase corrected Reproduce and Sync Amplifiers.
- Separate Reproduce and Sync Amplifiers** permit optimum adjustment of equalization in both playback modes.
- Plug-In Circuit Cards** combine advantages of both IC and discrete circuitry for unexcelled performance and trouble-free operation.

Distributed By:

TABER MANUFACTURING AND ENGINEERING COMPANY
2081 EDISON AVENUE • SAN LEANDRO, CALIFORNIA 94577 • Telephone: (415) 635-3831

MODEL 355



SPECIFICATIONS

Frequency Response (in Hz) (1)

		OVERALL	SYNC
30ips	±2dB	60 – 20k	60 – 15k
15ips	±2dB	35 – 20k	40 – 15k
7½ips	±2dB	30 – 15k	40 – 7.5k

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

	OVERALL		SYNC		STANDBY	
	u'wtd	wtd	u'wtd	wtd	u'wtd	wtd
30ips	-62	-71	-62	-72	-72	-83
7½ – 15ips	-61	-67	-61	-70	-69	-78

Equalization

3 speeds with solid-state switching. Adjusts for any combination of NAB and IEC characteristics.

Erase/Bias Frequency

250kHz standard. 100kHz available on special order.

Erase (1)

> 75dB erasure of 500Hz signal recorded 3dB below tape saturation.

Recorded Distortion (LIN and NOISE BAL controls optimized -3M 206 tape)

< .15% THD at 200nW/m
< 1% THD at 6dB above 200nW/m

Amplifier Distortion

Record: < .1% THD at Operating Level
< .2% THD 25dB above Operating Level
Reproduce: < .1% THD at Operating Level

Input

Sensitivity: -20 to +8dBm
Impedance: 10K, unbalanced
(transformer optional)

Outputs

Line Output - feeds 600 ohm line or bridging input at +4 or +8dBm. Clipping level +24dBm.

Rear Panel headphone jack

Panel Controls

RECORD: Gain (with preset CAL position)
REPRO: Gain (with preset CAL position)
MODE: Selects SAFE/READY and INPUT, TAPE, or SYNC monitor, or activates REMOTE control of all functions.

Power Requirement

±20 VDC, 400mA; 250 kHz, 1V rms

Size and Weight

3½" x 19" x 9"; 12 lbs.

Accessories

Power Supplies:

Model 900 (8 tracks max.)
Model 910 (24 tracks max.)

Price **\$ 1150**

(1) Overall performance will obviously depend on heads and tape used. These specifications are representative of a system using a head complement of Nortronic 9227 erase, 9203 record, and 9213 reproduce, 3M 206 tape and an operating level of 200nW/m.

(2) Referred to 6dB above a flux level of 200nW/m, or approximately 3dB below the 3% THD point of 3M 206 tape. Spec. applies to 70 - 80 mil tracks, as in 2-, 4-, 8-, or 16-track formats.

NOTE:

Operating Level refers to a flux level of 200nW/m at 1kHz. This is approximately 1dB above the "Operating Level" tone on current Ampex Standard Tapes.