



The Inovonics 377 is a self-contained, dual-channel magnetic tape reproduce amplifier for professional applications. Designed primarily for broadcast automation systems, the 377 also finds use in background music installations, tape duplicator "QC" checkers and other basic, single-speed applications.

377 Features

Accommodates virtually any tape reproduce head. —01 option can be strapped for either Hi-Z or Lo-Z head windings. Pin-compatible with Ampex and Schafer equipment.

Low noise design utilizes an optimum combination of IC and discrete circuitry for lowest residual electronics noise.

Wide equalization adjustment range for both NAB and IEC recording characteristics, 1½ to 30ips.

Multi-turn trim adjustments and fully regulated power supply assure stability of settings and drift-free operation.

Entire electronics amplifier subassembly unplugs from the front panel for ease of maintenance.

377 Specifications

NOTE: Performance will obviously depend on the reproduce head used. Specifications were derived utilizing a Nortronics 9213 head, with an inductance of 400mH and two 70-80 mil tracks.

Frequency Response (in Hz):

- 15ips ±2dB, 30-22k
- 7½ips ±2dB, 20-18k
- 3¾ips ±3dB, 20-14k

Amplifier Distortion (THD):

- <0.1% at +4 or +8dBm output
- <0.3% at +22dBm output
- Clipping level +24dBm

Output:

Transformer-isolated, feeds 600-ohm line or bridging inputs, balanced or unbalanced, at +4 or +8dBm for zero-VU.

Signal-to-Noise Ratio (STANDBY in dB):

	u'wtd.	wtd.
15ips	-70	-81
7½ips	-70	-81
3¾ips	-69	-80

Recommended Head Inductances:

- 00 version—200mH to 1H, 400mH optimum.
- 01 version—same as —00 or strappable for 3 to 6mH, 4mH optimum.

Panel Controls:

POWER (via fuseholder) and LEVEL TRIM (± 5 dB) for each of two channels.

Trim Adjustments:

GAIN CAL., H.F. and L.F. EQUALIZATION for each of two channels.

Power Requirements:

105-130VAC (230V available), 50-60Hz; ¼A (plus transport, if powered by 377).

Size and Weight:

3½" X 19" X 6"; 7 lbs.



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