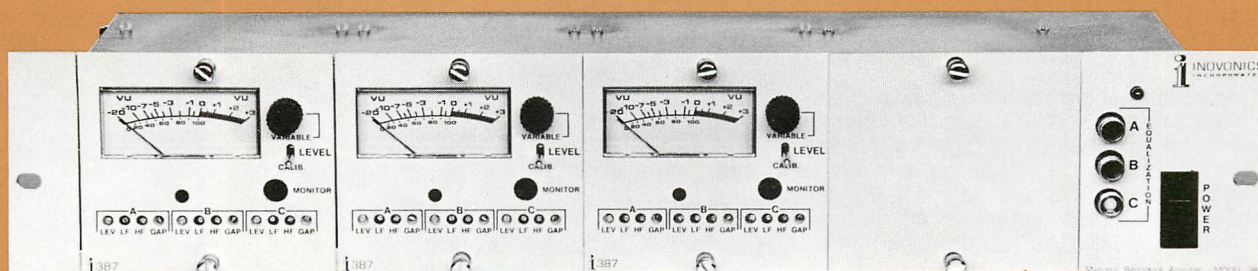


**i****387**

## Magnetic Reproduce Amplifier



Inovonics' 387 is a high performance reproduce-only electronics for magnetic tape and film playback applications. A rack-mount chassis with power supply

accommodates from one to four plug-in amplifier modules, each a complete and independent reproduce channel.

### USES:

Studio tape playback equipment for mixing, editing and mastering.

Broadcast studio and automation tape playback.

Magnetic film playback for mixing and dubbing.

Audio tape duplicator QC checkers.

### FEATURES:

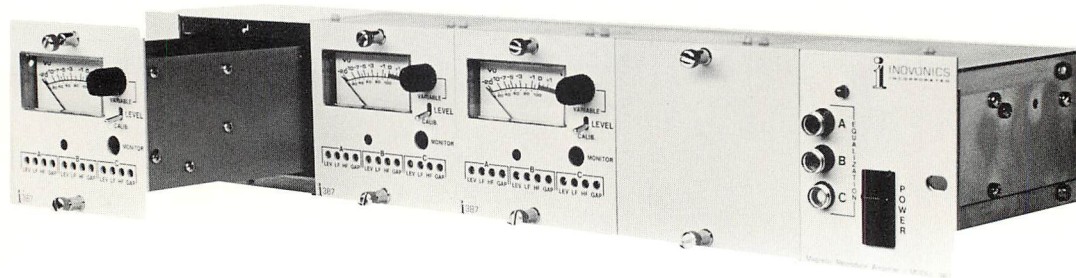
**Very low noise** design combines best aspects of discrete and integrated circuitry.

**Three separate sets** of high resolution, multiturn Level and EQ adjustments.

**Three-point EQ** includes gap loss compensation; accommodates all tape and film curves. Remote EQ selection provision.

**Inovonics Inc.** Audio Recording, Signal Processing and Instrumentation





The one-quarter-inch, two track tape format was used to obtain operating specifications. This indicates expected performance of two- or multi-track systems with 70-80mil track widths. The head was manufactured by Saki Magnetics, Culver City, CA and is of all-ferrite construction. Test tapes had an Operating Level of 200nW/m and NAB equalization.

**Frequency Response:**

- 30ips: ± 1dB, 45Hz - 25kHz
- 15ips: ± 1dB, 25Hz - 20kHz
- 7½ips: ± 1dB, 20Hz - 18kHz
- 3¾ips: ± 2dB, 20Hz - 12kHz

**Signal-to-Noise Ratio:**

Referred to a "peak" record level 6dB above 200nW/m; 20Hz - 20kHz.

	u'wtd.	wtd.
30ips:	78dB	85dB
15ips:	74dB	83dB
7½ips:	74dB	83dB
3¾ips:	70dB	77db

**Distortion:** Electronics generate <0.2%THD, 10Hz - 20kHz at any level up to clipping.

**Line Output:** Electronically-balanced, 600-Ohm source impedance; clipping level + 24dBm into 600-Ohm load.

**Monitor Output:** Front-panel jack drives both sides of a stereo headset.

**Controls:** LEVEL, LOW FREQ., HIGH FREQ. and GAP LOSS presets for each of three front-panel or remotely selected Equalization positions. Switch-enabled VARIABLE LEVEL vernier affords - 5, + 10dB adjustment over preset values.

**Head Impedance Range:** 3mH - 1H; 400/600mH optimum.

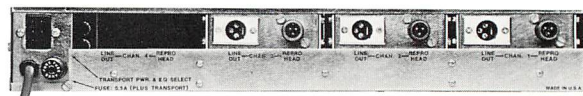
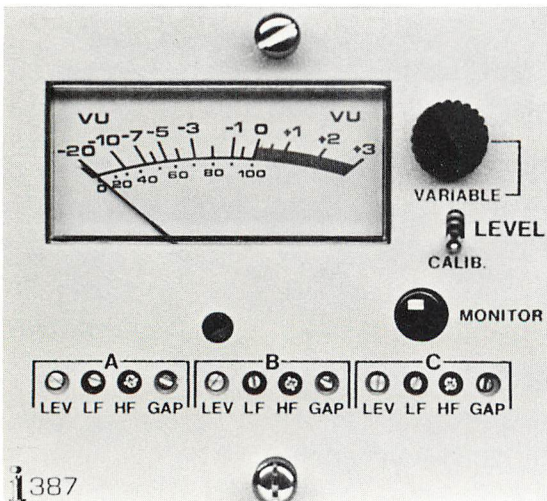
**Power Requirement:** 105-130VAC (230V available), 50/60Hz; 10W.

**Size:** 3½" × 19" × 7" (2U)

**Shipping Weight:** 12 lbs with four plug-ins.

**Ordering Information:**

- 387-00: Rack-mount chassis and power supply only.
- 387-10: Single plug-in amplifier module.
- 387-20: Blanking panel for unused channel positions.



Rear View

## Inovonics Inc.

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