



The introduction of the PAT-5 in 1974 was met with universal raves from users and reviewers as a moderately priced preamplifier whose performance passed beyond the limits of the (then) current state of the art. It sounded so much better than almost anything else at any price that virtually every other manufacturer has evaluated it. It became the impetus for competitors to go back to their laboratories.

Dynaco's engineering staff, not resting on all the accolades, have improved on the PAT-5's specifications, uniformity, and sound in several ways. We call it the PAT-5 BI-FET™.

- An FET-input operational amplifier with outstanding specifications and uniformity is now used as the tone control/output stage gain element.
- Distortion is dramatically reduced to 0.007% or less for both intermodulation (IM) and harmonic (THD) content.
- High level signal-to-noise is 5 decibels better.
- Military grade non-polarized tantalum capacitors replace electrolytics in the audio circuits. They impart a natural, more listenable quality.
- 2% tolerance dipped mica replace 5% polyester capacitors in the phono equalization network. Improves equalization accuracy, phonograph definition and transparency.
- Phono input capacitance is increased to 220 pf. Accommodates an "average" wide range of cartridges for flattest response.
- Virtually no measurable or sonic variation from unit to unit is assured.

A gain switch for the phono inputs on the back panel is added. The LO or normal position supplies the correct gain for virtually all magnetic cartridges. In the HI position, an additional 6 decibels of gain permits direct connection of some brands of moving coil cartridges. The Denon DL-103s moving coil cartridge, for example, may be employed without

using separate transformers or pre-amplification.

Retained in the BI-FET™ are all the other features for which the PAT-5 is famous.

- Bass and treble controls that even the staunchest audiophile wants to use.
- Tone control engage/defeat switch.
- Dubbing facilities for two tape decks in either direction.
- E.P.L. (external processor loop) input, output, and front panel switch for insertion of an equalizer, such as the Dynaco SE-10, or a noise processor. Does not use the monitor facilities when an equalizer is installed.
- Two switches select stereo, left input to both outputs, right input to both outputs, or mono.
- Inputs for two phonographs.
- High filter is an active RC type with a sharp 15 dB per octave rolloff slope.
- Low filter conforms to newly revised RIAA phono playback curve.
- Power switch, back panel outlets, internal AC wiring, and line cord can handle 15 Amperes—the AC connection of the Stereo 416, for instance.
- Speaker selector can switch the enormous full power of the Stereo 416.
- Back panel connections for the amplifier and speaker leads use professional 3/4" spacing for double or single banana plugs.
- Low impedance headphones directly plug into the front panel, and the jack may even accommodate electrostatic headphones.
- Multiple stage, fully regulated power supply. Variations of line voltage from 100 to 130 (or 200 to 260) have no effect on performance.
- Dual voltage primary windings on power transformer permit usage anywhere in the world.

Ian G. Masters, writing in *Audio Scene Canada*, began his report on the PAT-5 with an overview of our company's products:

"Dynaco probably has produced more 'standard' products than any other company in audio."

He then continues: "At first, it looks like a modest preamp in terms of controls and functions... But appearances can be misleading, and the PAT-5 will in fact perform just about every function one might reasonably want. It just does them with a minimum of fuss.

"This preamplifier is an absolutely no-compromise piece of work..."

