Some Outstanding Advantages

- Rugged, time-proven construction
- Two switch-selectable speeds
- Automatically switched equalization
- Solid-state electronics
- Compact portable and rack-mount versions
- Stereo and mono versions
- Three-digit footage counter
- Accessory speaker/amplifier and mixer

As the current production model in a distinguished series, the Ampex AG-600B recorder/reproducer is a good thing made just a little better.

The predecessors of the AG-600B were the extremely popular 600 Series—a rugged, time-proven workhorse—and its equally popular successor, the original solid-state AG-600. Some 40,000 of these Ampex portables were delivered over the years. The AG-600B has kept their design and appearance with important refinements:

One switch selects speeds and equalization.

The AG-600B changes speeds—3¾ or 7½ in/s—and equalization at the turn of an indexed switch. A two-speed motor has replaced the mechanical speed-change linkages of the 600 Series and the original AG-600. Equalization is automatic when recording speed is changed.

AG-600B: The professional’s portable

Like the 600 and the original AG-600, the AG-600B has become the most highly regarded recorder/reproducer of its kind. It offers outstanding reliability; a convenient, compact design; and a rugged die-cast frame that absorbs the bumps of handling in the field.

The AG-600B provides the reliability of costly studio recorders in a compact, lightweight package. Accordingly, it serves ideally in the broadcast, industrial, educational, religious, medical, and government fields—any application, in fact, where professional results are needed but budgets are limited.
Single-channel (full or half-track mono) and two-channel (half or quarter-track stereo) versions of the AG-600B are available. Both feature all-solid-state electronics. Each recording channel has allowance for one mike input and one line input, so that mixing capability is built into the machine. With an accessory plug-in preamplifier, the line input can be converted to a second mike input. For monitoring, an isolated output jack accepts both low and high-impedance headsets. All of the AG-600B's setup controls are located on the front panel. A three-digit tape counter simplifies indexing.

The complete AG-600B system: AG-600B recorder/reproducer, AA-620 amplifier/speaker, and AM-10 mixer. They provide studio quality in a highly versatile field system.

SPECIFICATIONS

Frequency Response: 7½ in/s ±2 dB from 60 Hz to 10 kHz; ±4 dB from 40 Hz to 10 kHz ±2 dB from 50 Hz to 7 kHz; ±4 dB from 40 Hz to 8 kHz

Signal to Noise: 7½ in/s → Full track 57 dB Full track 52 dB
               half track 55 dB half track 50 dB

Crosstalk Rejection: Better than 40 dB mid-frequency

Flutter and Wow: (Measured by ASA Standards) 7½ in/s ± less than 0.17% 3¼ in/s ± less than 0.25%

Timing Accuracy: 7½ in/s ±0.2% (±0.36 seconds in a 30 minute recording) 3¼ in/s ±0.4% (±0.72 seconds in a 30 minute recording)


Speeds: Dual speed 7½ in/s and 3¼ in/s

Real Size: 5" and 7". (Ampex 600 Series Tape recommended for best results)

Inputs: Two inputs with individual gain control on each.
1. Low impedance mike input, 150 microvolts required for program record level. 30 to 250 ohm nominal impedance.
2. Line input (100 k unbalanced), -10 dBm required for program record level. (May be used as microphone input with accessory plug-in microphone preamplifier.)

Outputs: Two outputs for each channel.
1. +4 dBm into 600 ohm. Balanced or unbalanced load.
2. Headphone monitor jack (on front panel) monitor selector permits monitoring either input source or tape playback, with recording.

Equalization: For 115 volt, 60 Hz models: 3½ in/s, 120 microsecond For 115/230 volt, 50 Hz models: 3¼ in/s, 120 or 200 microsecond Frequencies: 7½ in/s, NAB or CCIR

Power Requirements: For 115 volt operation 0.5 ampere For 230 volt operation 0.3 ampere

Size and Weight: (In portable case) Single channel: 28 lbs. (14½" h x 10" w x 9½" d) Dual channel: 42 lbs. (19½" h x 13" w x 9½" d)

Accessories

THE AA-620 SPEAKER/AMPLIFIER accessory includes a solid-state 15-watt amplifier and two speakers in a tuned enclosure. It offers essentially flat acoustic response; bass and treble equalization are adjustable. -6 dB. Available in portable case.

THE AM-10 STEREO/MONO MIXER accessory is a six-position, two-channel mixer, available in portable or rack-mount versions. Signal-to-noise ratio: -122 dBm

Your investment in Ampex equipment yields maximum returns when it is operated and maintained by Ampex trained people. Seminar and videotape training courses available worldwide. For brochure, write Ampex Technical Institute, M.S. 2-11A, 2685 Bay Road, Redwood City, Calif. 94063.