

# AMPEX

SOLID-STATE

## AG-600

RECORDER

## WORLD'S MOST PROFESSIONAL COMPACT PORTABLE MONO/STEREO RECORDER



- all solid-state
- new two speed transport
- time proven die-cast frame
- improved clutch assembly
- new cooling system
- new 3 digit tape counter
- full or half track mono, half or quarter track stereo or mono
- new small size; portable case or rack mount
- system-matched accessory units

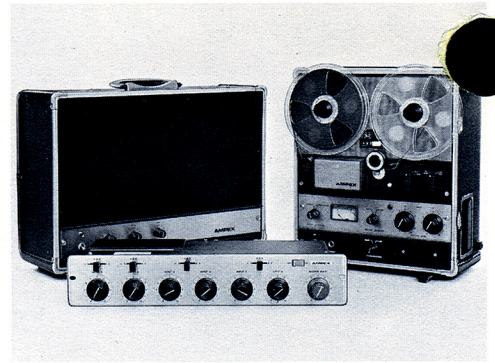
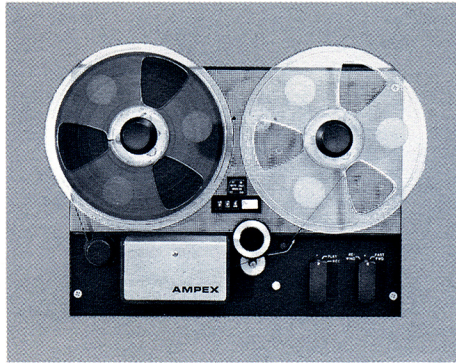
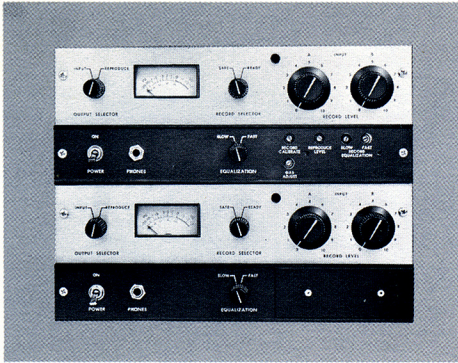
Now . . . Ampex offers a smaller, all new version of the 600 series; the world's finest low-cost professional audio recorder. Reliability of the 600 series is proven by more than 35,000 recorders in use throughout the world. The AG-600 is an all solid-state recorder/reproducer available in single channel (full or half track mono) or two channel (half or quarter track stereo/mono). The AG-600 provides field versatility plus the studio reliability you expect from Ampex.

The AG-600 series is designed for broadcast, industrial, educational, religious, medical and government applications where compact lightweight professional quality recording equipment is needed or when budgets are limited.

The new two-speed transport (3¾ and 7½ ips) uses the same rugged die-cast aluminum frame which made the 600

series so dependable. This means a more rigid top plate which maintains critical alignment of heads and tape guides. There's also an improved clutch assembly and a new cooling system to add to reliability. And, to simplify indexing, a three digit counter has been added. The AG-600 is available in lightweight carrying case, or can be rack mounted with accessory adapter.

The new solid-state electronics package allows extreme versatility in small space. Each channel has one line and one mike input, providing a built-in mixer capability. The line input may be converted to mike input with an accessory plug-in preamplifier. All set-up controls are located on the front panel. An isolated output jack allows the use of either high or low impedance headsets for monitoring.

**AMPEX****SOLID-STATE AG-600 RECORDER****NEW SOLID-STATE ELECTRONICS**

New compact solid-state electronics employ circuits used in more expensive Ampex professional recorders. These field proven circuits are packaged in a smaller chassis, yet they provide ample room for maintenance. All set-up adjustments are made from the front.

**NEW TWO-SPEED TRANSPORT**

This improved two-speed version of the time proven Ampex die-cast transport eliminates top-plate flexing problems and gives extra rigidity for maintenance of alignment. New coil spring clutches reduce flutter and maintain uniform tape tension. A new fan is provided for cool running and extended motor life. The new three digit counter speeds location of program material.

**AG-600 SYSTEM . . . a complete "mini" studio**

The AG-600 professional recorder/reproducer system offers field portable flexibility with studio standard quality. The basic system includes the AG-600 recorder/reproducer, AA-620 amplifier/speaker, and the AM-10 mixer.

**SPECIFICATIONS**

<b>Frequency Response:</b>	7½ ips ±2 dB from 60 Hz to 10 kHz +2-4 dB from 40 Hz to 15 kHz	3¾ ips ±2 dB from 50 Hz to 7 kHz +2-4 dB from 40 Hz to 8 kHz
<b>Signal to Noise:</b>	7½ ips Full track 57 dB Half track 55 dB	3¾ ips Full track 52 dB Half track 50 dB
<b>Crosstalk Rejection:</b>	Better than 40 dB mid-frequency	
<b>Flutter and Wow:</b>	(Measured by ASA Standards) 7½ ips less than 0.17% 3¾ ips less than 0.25%	
<b>Timing Accuracy:</b>	7½ ips ± 0.2% (±3.6 seconds in a 30 minute recording) 3¾ ips ± 0.4% (±7.2 seconds in a 30 minute recording)	
<b>Fast Forward or Rewind Time:</b>	90 seconds for full 1200 foot reel.	
<b>Speeds:</b>	Dual speed, 3¾ and 7½ ips.	
<b>Reel Size:</b>	5" and 7".	
<b>Inputs:</b>	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.)	
<b>Outputs:</b>	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.	
<b>Equalization:</b>	For 117 volt, 60 Hz models: 3¾ ips, 120 microsecond 7½ ips, NAB	For 115/230 volt, 50 Hz models: 3¾ ips, 120 or 200 microsecond 7½ ips, NAB or CCIR
<b>Power Requirements:</b>	For 117 volt operation 0.5 amperes For 230 volt operation 0.3 amperes	
<b>Weight:</b>	(in portable case) Single channel: 28 lbs. Dual channel: 42 lbs.	

*2pc. 7.5IPS NAB  
\$1000.00*

**COMPANION UNITS AVAILABLE FOR USE WITH THE AG-600 RECORDER****AA-620 SPEAKER/AMPLIFIER**

- Solid-state 20 watt amplifier
- Two speakers in tuned enclosure
- Essentially flat acoustically, range better than 65 Hz to 10 kHz
- Adjustable bass and treble equalization
- Portable or rack mount

**AM-10 STEREO/MONO MIXER**

- 6 position — 2 channel mixer
- Solid-state plug-in electronics
- Signal/noise -122 dBm
- ±1 dB 30 Hz to 20 kHz response
- 600 ohm output impedance
- 40 dB crosstalk rejection from 20 Hz to 20 kHz
- Portable or rack mount

**AMPEX**

Ampex Corporation reserves the right to change specifications without notice and without obligation. These specifications supersede all previous specifications, stated or implied.

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