

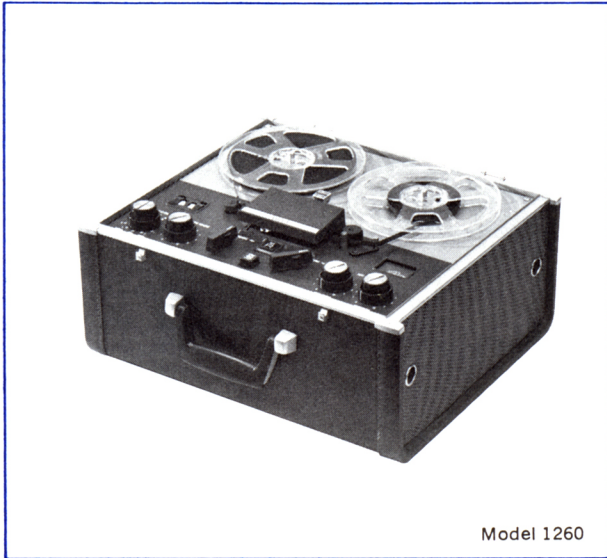
AMPEX AUDIO PRODUCTS — recorders, reproducers, duplicators, sound systems, and magnetic tape for home and professional use. This is sound on tape — recording it in its original form — duplicating it over and over with exacting faithfulness — reproducing it with all the clarity of the original. Another way Ampex creatively combines all elements of its magnetic recording experience to record, store and re-create an instant of time; capture the sight, sound and feel of the world around us; manipulate and translate abstract intelligence into meaningful information. Another area in which Ampex criteria for excellence continue to set the standards of performance in every phase of the industry.

AMPEX

AUDIO PRODUCTS

AMPEX

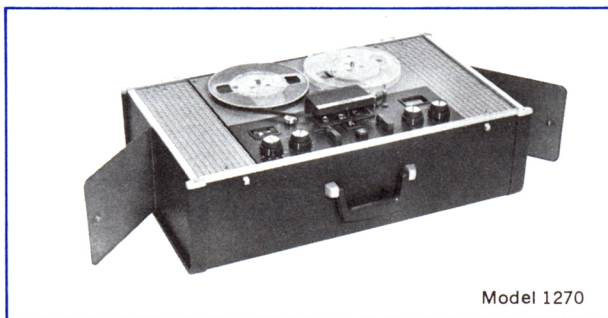
CONSUMER PRODUCTS . . . for home music systems, educational and audio-visual use . . . embodying recording and reproduction techniques from the most advanced professional, Videotape,* Instrumentation and Computer recorders.



Model 1260

SPECIFICATIONS:

- Speeds 3¾ and 7½ ips
- Frequency Response... 7½ ips — 50-15,000 cps ± 2 db
3¾ ips — 50-8,000 cps ± 2 db
- Signal-To-Noise 55 db at 7½ ips, 50 db at 3¾ ips
- Flutter and Wow..... Under 0.15% at 7½ ips, under 0.2% at 3¾ ips
- Dimensions 1250: 13" x 15" (requires 1¾" above deck, 6½" below deck);
1260: 14" x 17½" x 9¼";
1270: 14" x 24¾" x 9¼"
- Weight 1250: 26 lbs.; 1260: 38 lbs.;
1270: 46 lbs.



Model 1270



Model 2012

SPECIFICATIONS:

- Output 10 watts nominal
- Input 0.18 volts to develop rated power
- System Response..... 65-10,000 cps, essentially flat
- Signal-To-Noise 70 db below rated output

FINE LINE 1200 SERIES

. . . a 4-track stereophonic and monophonic recorder/player priced for home use with performance characteristics to meet professional standards. Plays — 4-track stereo tapes — monophonic tapes (full, half and quarter-track), Records — 4-track stereo and monophonic tapes. Includes Ampex "Four Star" one year warranty.

FEATURES: "Fine-Line" alignment of tape from reel to reel — micro-milled, die-cast frame — professional recorder electronics — separate narrow-track erase, record and playback head — master selector switch.

ADVANTAGES: Rugged frame and precision positioning of all tape tracking guides on this frame assure finer alignment of tape past narrow-track heads. The result — inter-channel and bass rumble crosstalk eliminated, frequency response and signal-to-noise ratio improved. Separate, dual-channel record and playback electronics provide greater fidelity for recording and reproduction. Master selector switch, selective erase head, 2-stage automatic shut-off, precision recording level meter and tape counter all assure greater control — easier switching from mono to stereo — simplified operation on record and playback.

MODEL 1250 . . . the basic tape deck without case for mounting or building into existing high fidelity systems (not shown).

APPLICATIONS: A complete home recording and playback unit for playing commercially-recorded stereo and mono tapes or for building a tape library of recordings made live, from radio (including multiplex), from other tapes or discs. Recording electronics and playback pre-amplifiers permit compatible installation in separate-component home music systems.

MODEL 1260 . . . the basic 1250 tape deck in a specially-built luggage case for portable use. Deck can be removed for use with built-in system.

APPLICATIONS: An on-the-spot recorder for the serious recordist. Ideal for monophonic or stereo recording for industrial, education, religious, theatrical and audio-visual uses. Can be used with portable 2012 amplifier/speaker units (see below).

MODEL 1270 . . . the basic 1260 Portable in a longer case with a pair of built-in monitoring amplifier/speakers, with peak output power in excess of 5 watts.

APPLICATIONS: Amplifier/speakers permit monitoring of recordings and immediate playback on location. Output of self-contained amplifier systems is suitable for most normal sized rooms or classrooms.

MODEL 2012 AMPLIFIER/SPEAKER

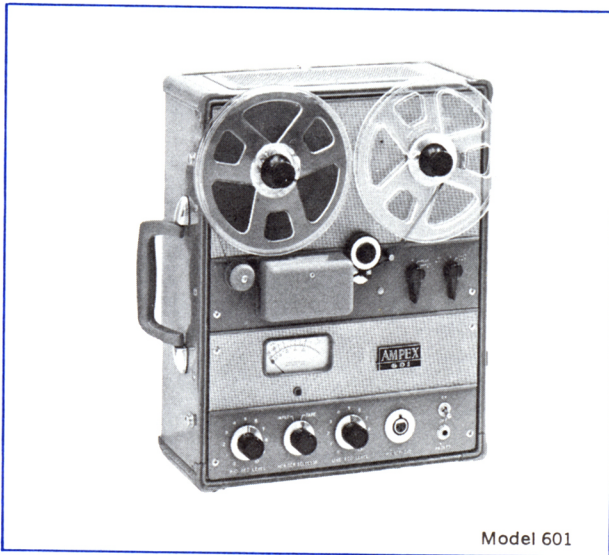
. . . a portable amplifier/speaker designed primarily for use with the Model 1260 Portable, but can also be used with the 1270 Portable. Includes Ampex "Four Star" one year warranty.

APPLICATIONS: Ideal for use in the home, school, business, theatre or church — wherever full fidelity amplification of live or recorded sound is needed.

FEATURES: A portable, self-contained unit, the 2012 can be used with AM or FM tuners as a high fidelity system — as a playback for record players or tape recorder/players — as a complete public address system. The 2012 has easy plug-in connections for sound sources and power.

ADVANTAGES: Take full fidelity, high level amplification wherever you need it — plug it into almost anything that produces sound — take it home and use it as part of your high fidelity system. Use two 2012s for stereo reproduction.

PROFESSIONAL PRODUCTS . . . for the broadcasting and recording industries . . . were the first commercially-produced Ampex recorders . . . established and continue to set the standards for quality in these industries and all the Ampex recording equipment that followed.



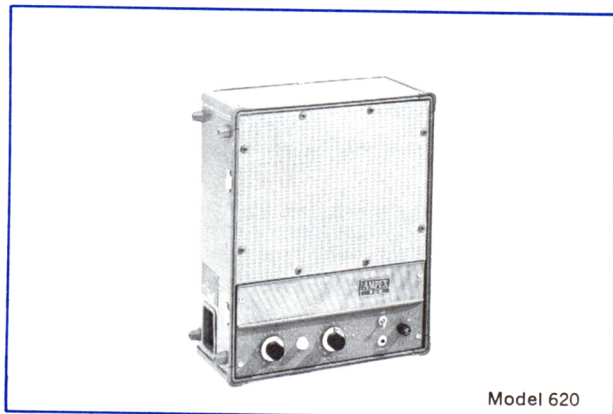
Model 601

SPECIFICATIONS:

- Frequency Response... ± 2 db, 40-10,000 cps at 7½ ips
Down no more than 4 db at 30 and 15,000 cps at 7½ ips
- Signal-To-NoiseOver 55 db full track, 50 db half-track or two-track at 7½ ips
- Flutter and Wow.....Below 0.17% (by ASA standards) at 7½ ips
- Timing Accuracy..... $\pm 0.2\%$ (± 3.6 seconds for 30 minutes)



Model 601-2



Model 620

SPECIFICATIONS:

- Output10 watts nominal, 20 watts peak
- Input0.18 volts to develop rated power
- System Response.....65-10,000 cps, essentially flat
- Signal-To-Noise70 db below rated output

600 SERIES

. . . professional field recorder/reproducer to meet the professional quality recording and playback needs of broadcasters, industrial and business users, audio-visual and educational applications. Includes Ampex "Four Star" one year warranty.

APPLICATIONS: Wherever on-the-spot, field recording requires professional quality performance characteristics of a lightweight portable recorder. The versatile 600 Series can also be used for in-studio recording and playback with frequency response to meet most broadcasting requirements.

FEATURES: Single, synchronous motor transports that will reach full speed in 1/5 of a second and stop in less than one second — can be operated equally well in both horizontal and vertical positions — separate record and playback electronics have low impedance output, balanced or unbalanced (from tapes recorded at program level) — high impedance inputs for line or mike — accessory, plug-in transformer available for low impedance input — monitoring available from either input to record head or playback output of the tape while recording.

ADVANTAGES: Because of the small size and rugged construction, both units can be used in difficult location recording, can withstand rough treatment. Operation is simple, yet provides full fidelity recording and playback to meet broadcasting and recording requirements.

MODEL 601 . . . monophonic recorder/reproducer.

MODEL 601-2 . . . stereophonic recorder/reproducer with separate, full-track erase, two-track record and two-track playback heads provide for: recording of stereo and single-channel tape (one direction); reproduction of stereo, full or half-track tapes — separate mixing controls for each channel (Microphone and Line) provide for balancing and mixing two-channel input for best combined sound.

MODEL 620 AMPLIFIER/SPEAKER

. . . a portable amplifier/speaker designed primarily for use with the Model 601 and 601-2 recorders to provide a complete monitoring and playback system. Includes Ampex "Four Star" one year warranty.

APPLICATIONS: Primarily designed for on-location monitoring of recordings made on the 600 series recorders — can be used by broadcasters for presentation of recorded programs and commercials, educational and audio-visual applications, public address system for business or church use.

FEATURES: Self-contained — compact (weighs 25 lbs.) — can be used singly or in pairs for stereo reproduction with Model 601-2 — can be used as a high fidelity audio system with AM or FM tuners, as a playback for records and tape or as a low power public address system or studio monitor.

ADVANTAGES: Meets professional and commercial requirements for sound fidelity and reproduction quality. Complete portability provides studio quality on location, doubles for in-studio use.



Model PR-10-2

SPECIFICATIONS:

Speeds Dual speeds: 7½ and 15 ips, or 3¾ and 7½ ips
 Frequency Response... ±2 db 30-15,000 cps at 15 ips
 ±2 db 40-12,000 cps at 7½ ips
 Down no more than 4 db at 30 and 15,000 cps at 7½ ips
 Signal-To-Noise 55 db at 15 and 7½ ips (half-track or two-track); 60 db, full-track
 Flutter and Wow..... less than 0.15% rms at 15 ips
 0.18% rms at 7½ ips
 Output +4 dbm into 600 ohm balanced or unbalanced load
 Inputs PR-10-1: Separate microphone and line inputs
 PR-10-2: One line input for each channel. Microphone preamps or line transformers may be used with line inputs
 Dimensions Transport: 8¾" x 19" x 6" D
 Electronics: 5¼" x 19" x 5¾" D
 Weight: unmounted — 44 lbs.; portable — 53 lbs.



Model SA-10

SPECIFICATIONS:

Output 40 watts
 Input 2 volts to develop rated power, without preamplifier
 System Response..... 15-12,000 cps, essentially flat
 Signal-To-Noise 90 db below rated output



Model MX-10

PR-10 SERIES

... compact portable or rack-mounted recorder/reproducers with professional studio features and quality. Includes Ampex "Four Star" one year warranty.

FEATURES: Exclusive electro-dynamic drive for adjustment-free tape handling — four-position head assembly with separate erase, record and playback heads, and position for extra head — front-panel accessibility to all bias, level and record equalization alignment controls — relay/solenoid operation with pushbutton controls — optional remote control — large, continuous duty, hysteresis synchronous motor — horizontal or vertical operation.

ADVANTAGES: Modular design permits portable or rack mounting. Electro-dynamic clutches, lower operating and braking tension permit use of thin-base tapes, gives maximum tape-to-head contact. Simple, guided straight-line tape threading. Tape lifters permit touch cueing on fast wind and rewind.

MODEL PR-10-2 . . . two-channel stereo recorder/reproducer records and reproduces stereo, 2-channel mono or conventional (½ track) mono . . . fourth head position can be used for optional 4-track stereo playback.

APPLICATIONS: Quality performance characteristics and compact size make it an ideal field or studio recorder/player for broadcasters, recording studios, churches, classroom and industrial uses.

MODEL PR-10-1 . . . a one-channel recorder available with full or half-track heads . . . same transport as PR-10-2.

APPLICATIONS: Same as for PR-10-2 where full or half-track monophonic recording and playback is desired.

SA-10 SPEAKER/AMPLIFIER

... a professional speaker/amplifier system with a 40-watt voltage-regulated amplifier. Includes Ampex "Four Star" one year warranty.

APPLICATIONS: For use with the PR-10 series portable for on-location monitoring. Optional plug-in preamp permits use as a quality PA system. Speaker and amplifier assemblies are separate allowing rack-mounting in 14" of vertical space.

FEATURES: Speaker is a long excursion-type in separate, tuned duct enclosure to minimize low frequency distortion — dynamic regulator circuit in amplifier gives greater stability and lower distortion even under extreme overload conditions.

ADVANTAGES: Compactness, flexibility and uniform frequency response over full audible range makes the SA-10 a versatile system for many applications.

MX-10 MIXER

... a four-position, two-channel, monophonic/stereo mixer for use with the PR-10 Series. Same mixer as MX-35 (opposite page) . . . panel and knobs to match PR-10 Recorder. Includes Ampex "Four Star" one year warranty.

APPLICATIONS: Permits up to 4 microphones or 2 mikes and 2 lines to be controlled and fed to either or both output channels.

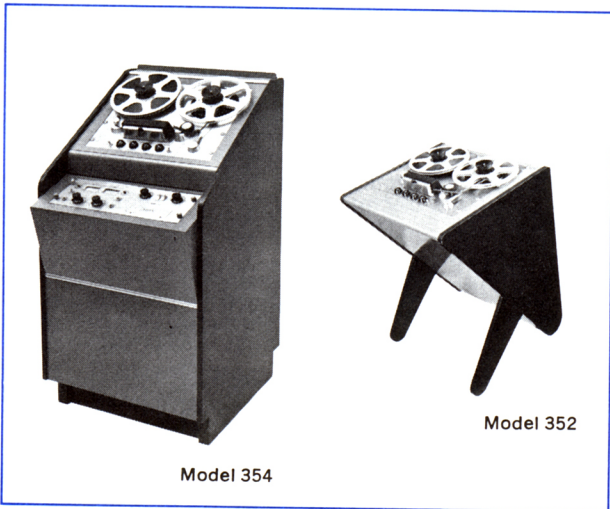


Model 351

SPECIFICATIONS:

(Note: specifications apply to all three models except where noted)

- Speeds Dual speeds: 7½ and 15 ips or 3¾ and 7½ ips
 - Frequency Response... ± 2 db, 30-18,000 cps at 15 ips
 - Signal-To-Noise 55 db at 7½ and 15 ips*
 - Flutter and Wow..... Below 0.15% rms at 15 ips
 - Timing Accuracy..... ± 0.2%
 - Crosstalk Rejection.... Model 354 or 351-2 : 65 db at 400 cps
- * 60 db at 7½ or 15 ips for Model 351 full-track



Model 354

Model 352



Model MX-35

350 SERIES

... a complete family of rack-mounted, console, and heavy duty portable recorder/reproducers designed primarily for the broadcast and recording industries. The 350 Series is accepted as the world standard of the broadcast industry. Thousands of units are in professional use throughout the world. Includes Ampex "Four Star" one year warranty.

FEATURES: The basic tape transport is common to all three models — 3 motors including direct drive by hysteresis synchronous motor — has pushbutton, relay-solenoid operations for remote control — reel-size selector switch automatically adjusts tape tension for various reel sizes — non-wearing tape lifters, fast wind and rewind (rewinds 2,400 feet in just 60 seconds) — all controls interlocked to prevent jamming — basic electronics with separate record and reproduce amplifier electronics permit easy monitoring at input or playback.

ADVANTAGES: Meets broadcasters requirements for long-life, ruggedness, and dependability. Wide variety of models, each designed to meet specific professional requirements of monophonic or stereophonic recording and reproduction in broadcasting, recording, education, business or research.

MODEL 351 ... a monophonic recorder/reproducer available unmounted, console-mounted or portable — two-channel stereo model (351-2) available unmounted or as a portable.

APPLICATIONS: For monophonic (351) or 2-track stereophonic (351-2) recording and reproduction — designed primarily as a broadcast recorder for heavy, continuous duty operation requiring exacting performance characteristics — has also found wide use in recording studios, education, business and research.

MODEL 352 ... a tape playback-only unit available unmounted for rack use or in its own floor console — two-channel stereo model (352-2).

APPLICATIONS: Identical playback functions as 351 recorder/reproducer — the playback-only function reduces cost, eliminates accidental erasure of valuable tapes — lower cost, without sacrificing performance, makes it ideal for: broadcasting and recording industry, commercial background music for businesses and industry, dance studios, education, etc.

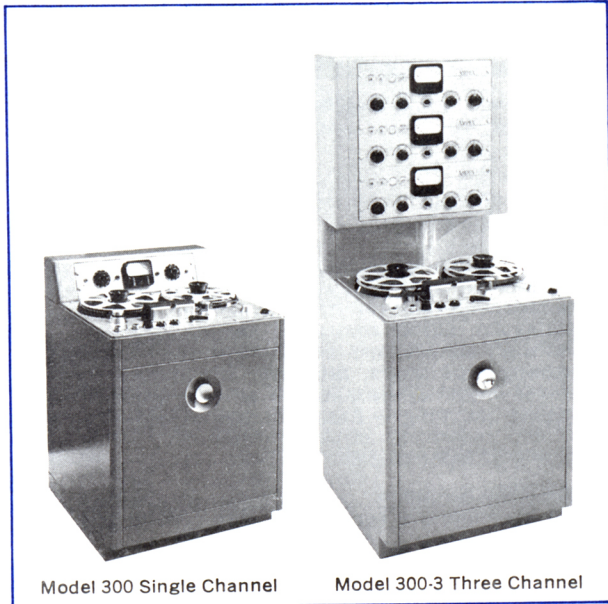
MODEL 354 ... a monophonic and stereophonic recorder/reproducer available unmounted, in floor console or portable — records and reproduces two-track stereo with simplified electronics and controls.

APPLICATIONS: Has same applications as Model 351-2 — two-channel electronics in Model 354 are on one panel, occupy the same space as a single-channel panel, thus reducing space and weight, providing easier operation and control. Ideal for stations considering FM Multiplex stereo in future, permitting use as monophonic recorder now, stereophonic in future.

MX-35 MIXER

... four-position, two-channel mixer feeds 4 microphones or 2 mikes and 2 line inputs to either or both channels — provides "center solo" stereo recording. Includes Ampex "Four Star" one year warranty.

APPLICATIONS: Designed for use with 350 or 300 Series ... and as general purpose mixer.



Model 300 Single Channel

Model 300-3 Three Channel

SPECIFICATIONS:

- SpeedsDual speeds: 15 and 7½ ips
- Frequency Response..± 2 db, 30-18,000 cps at 15 ips
- Signal-To-Noise60 db full track, 55 db multi-track
- Flutter and Wow.....Below 0.1% at 15 ips
- Timing Accuracy.....0.2% at 15 ips
- EqualizationSingle channel unit — NAB on 7½ and 15 ips
Multi-channel unit — NAB on 7½ ips, NAB or AME on 15 ips



3200 System with 1 Slave

SPECIFICATIONS:

- Frequency Response..± 2 db, 50-15,000 cps on 7½ ips duplicates made from either 7½ or 15 ips masters
- Signal-To-Noise7½ ips duplicates exhibit no more than 3 db degradation from master tape, duplicated at either 30 or 60 ips
- Flutter and Wow.....No more than 0.1% degradation from master tape. (Measuring all components up to 300 cps)

300 SERIES — MASTER RECORDERS

... 300 Series Master recorders/reproducers are the recognized standard of the recording industry... designed to fulfill the demands of the professional recording industry in producing the finest quality monophonic and stereo masters. Includes Ampex "Four Star" one year warranty.

AVAILABLE MODELS: The 300 Series is available in single or multi-channel versions (one, two, three or four channels normal configuration; up to eight channels on special order). Three-motor transport handles reels to fourteen inches and tape widths up to one inch on special order.

APPLICATIONS: Designed for the master recording industry, it is used to produce the finest quality ¼ or ½-inch master tapes for the cutting of master disc records or commercial tape duplicates. It records and reproduces single and multi-channel monophonic masters and two or three-channel stereo masters.

FEATURES: Larger, more advanced transport — 300 transport has indirect capstan drive — a rigid unit-assembly and massive capstan flywheel mounted in extra large, precise bearings virtually eliminate flutter and wow — FAST/SLOW start switch permits "on" and "standby" capstan operations — ultra precise alignment of the head stacks assure perfect playback of multi-channel recordings — optional SEL-SYNC* provides switching that converts any of the record heads to temporary playback mode while others are still recording — A-B switch allows monitoring by VU meter, headphones or line-connected studio monitor.

ADVANTAGES: 300 Series Recorders assure complete dependability of audio and mechanical performance, and continuity of service year after year. The unexcelled performance in making multi-channel master tapes is verified by the use of the 300 Series by virtually every major company in the recording industry.

3000 SERIES HIGH SPEED DUPLICATORS

... for duplication of high quality tapes in single or mass production runs — commercial, education, industry. Includes Ampex "Four Star" one year warranty.

AVAILABLE MODELS: Two systems: 3200 with two-track heads and electronics for ¼-inch tape; 3300 with four-track heads and electronics for ½-inch tape masters, ¼-inch copies.

ADVANTAGES: Both systems provide simultaneous duplication of all tracks in one pass — master units control slaves, but any slave may be operated independently during duplication — both drive up to 10 slaves.

3200 SYSTEM — 3201 Master/3202 Slave(s) . . . both master and slave equipped with two-track heads and electronics for full, half or two-track stereo operation with ¼-inch tape . . . master and slaves run at 30 or 60 ips.

3300 SYSTEM — 3301 Master/3302 Slave(s) . . . four-track version of the 3200 System utilizing ½-inch master tape . . . master runs at 120 or 60 ips, slaves run at 60 or 30 ips.

ACCESSORIES . . . are available to extend the usefulness and function of Consumer and Professional Audio Products—a partial list is shown.

FM MULTIPLEX ADAPTER— Model 510— for remote installation in all Ampex consoles, Ampex tuners and other leading makes of FM tuners with multiplex connection. Order #510

MICROPHONE KIT— Model 818— matched pair of high impedance, omnidirectional dynamic mikes . . . satin chrome finish and satin finish base . . . 8' cables and connectors. . . for 1200 Series Recorders. Order #818

TWO-TRACK PLAYBACK CONVERSION KIT— mechanism to shift playback head . . . for 1200 Series Recorders. Order #105

MICROPHONE TRANSFORMER— for adapting a low impedance mike to high impedance recorder input, cable type . . . for 600 Series Recorders. Order #860

RACK MOUNT ADAPTERS— 19 inches wide . . . for Model 601. Order #861

REMOTE CONTROL— duplicates function of: record, play, fast forward and fast rewind . . . for 350 Series and PR-10 Recorders. Order #96510-01 (wired in box, 30' cord); #96520-01 (panel type)

LINE INPUT TRANSFORMERS— for: PR-10; MX-10; SA-10; 354; MX-35. Order #96134-01 (balanced bridge); #96134-02 (matching 600 ohm)

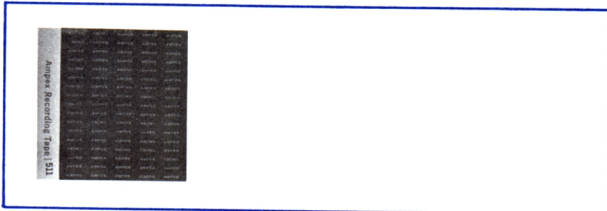
MICROPHONE PREAMPS— for: PR-10; 354; SA-10. Order #96440-01 (40 db, PR-10, 354); #96440-04 (60 db, PR-10, 354); #96440-03 (SA-10)

ALIGNMENT TAPES— available for all speeds and track configurations. Order #835 (4-track, 7½ ips, tracks 1 and 3); #830 (full track, 7½ ips); #831 (full track, 3¾ ips)

TAPE RECORDER MAINTENANCE KIT— head cleaner, demagnetizer and motor oil. Order #890

AMPEX TAPE . . . a wide variety of home and professional recording tape to match the quality of Ampex recorders— enhance the performance of other recording equipment.

AUDIO TAPE— CONSUMER . . . a premium quality, audible range tape with exclusive Ferro-sheen* oxide surface.

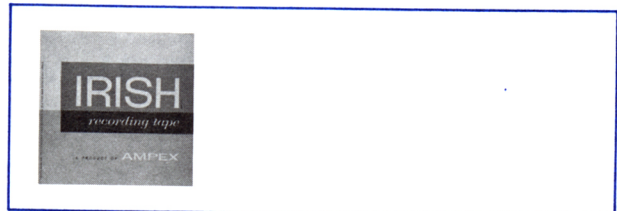


AMPEX 500 SERIES

APPLICATIONS: Best quality tape for home and commercial sound recordings— designed for optimum performance on Ampex recorders.

FEATURES AND ADVANTAGES: Ferro-sheen* oxide surface for higher frequency response, cleaner operation— Ampex Signature Binding for personalizing and identifying tape for content.

AVAILABLE TYPES: Ampex 500 is available on 5 or 7-inch plastic reels in a wide range of base materials and lengths.



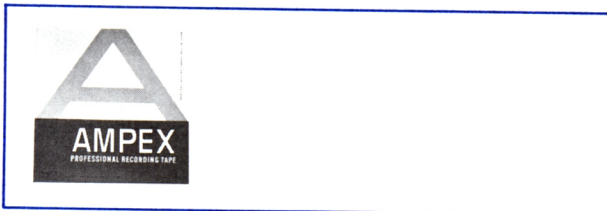
IRISH 300 SERIES

APPLICATIONS: An economy tape for optimum use in home recordings.

FEATURES AND ADVANTAGES: Ferro-sheen* oxide surface— Signature Binding included with each 5 or 7-inch reel— 3-inch reels packaged in handy, self-mailer box.

AVAILABLE TYPES: On 3, 5 and 7-inch plastic reels in a wide range of base materials and lengths— 1.5 mil Mylar** or acetate base is available in an Audio-Visual package for convenient cataloging of libraries.

AUDIO TAPE— PROFESSIONAL . . . high quality, durable tape designed for professional use.

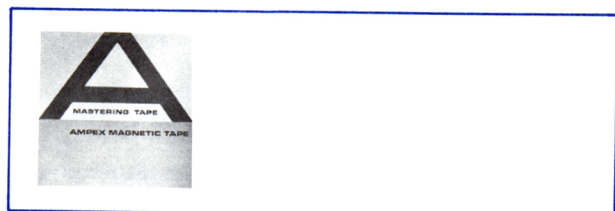


AMPEX 600 SERIES— PROFESSIONAL RECORDING TAPE

APPLICATIONS: For all professional recorders.

FEATURES AND ADVANTAGES: Produced under exacting conditions and tested to meet military-type specifications.

AVAILABLE TYPES: Plastic reels: 3, 5, and 7-inch— Metal reels: 10½ and 14-inch— Plastic and Metal Hubs: for quantity users.



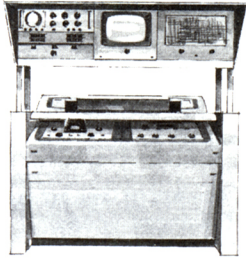
AMPEX 400 SERIES— MASTERING TAPE

APPLICATIONS: For all master recording and other applications requiring the ultimate in tape performance.

FEATURES AND ADVANTAGES: Highest quality, low noise, low-print. Ideal frequency response characteristics, maximum uniformity.

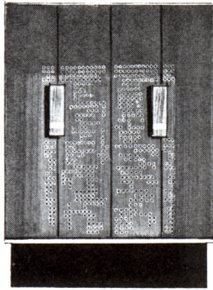
AVAILABLE TYPES: Plastic reels: 7-inch only— Metal reels: 10½ and 14-inch— wide range of base materials and lengths including long lengths on metal hubs for quantity users.

*TM Ampex Corporation
**TM Dupont Corporation



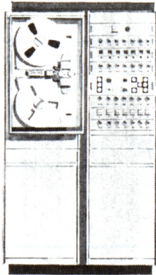
VIDEO PRODUCTS

Sight on tape . . . capturing and preserving a visual image on magnetic tape. These are the functions of Videotape* Television Recorders . . . created by Ampex for television and offering a new communications medium for education, medicine and industry.



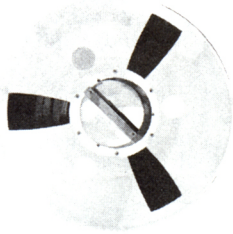
COMPUTER PRODUCTS

Memory and meaning on tape . . . the coding, searching, feeding in and out and storage of digital information for computers. These are the functions of Ampex Computer Products combining tape transports, magnetic tape and core memories to meet the demands of digital computers.



INSTRUMENTATION PRODUCTS

Data on tape . . . the recording, translation, conversion, storing and reproduction of information. These are the functions of Ampex Instrumentation Products . . . rack and portable analog recorders for science, industry and the military.



MAGNETIC TAPE PRODUCTS

Tape to match the quality standards of Ampex equipment, enhance the performance of other recorders. This is the function of Ampex tapes . . . a wide configuration of tape and reels to meet the needs of Audio, Video, Computer and Instrumentation products.

AMPEX

AMPEX CORPORATION AUDIO PRODUCTS

934 Charter Street, Redwood City, California

Detailed information (including Specification and Data Sheets) on all products is available from Ampex Corporation, Audio Division and your local Ampex Franchised Dealer:

ELECTRICRAFT, INC.
1408-6th Ave. MUtual 6962
SEATTLE 1, WASH.