

Typical Installation

HIGH PRODUCTION – MULTIPLE APPLICATIONS SIMPLE OPERATION – RELIABLE PERFORMANCE

The Ampex PD-10 is a professional tape duplicating system . . . priced for modest budgets. It is simple to operate . . . a non-technical user can produce professional-quality tape copies . . . and at the rate of over seventy-five 1200-foot reels in an eight-hour day (over 18,000 copies a year!).

The system can also be used as a multiple-master recorder to record simultaneously up to three original master tapes of the same source material, from line or mike inputs.

It is built by Ampex for a long life of dependable operation and continuous high-quality performance. Service is minimal . . . a few drops of oil every 1500 to 2000 hours of use . . . and periodic cleaning of the heads.

The Ampex PD-10 is compact in size . . . takes as little as 4½ square feet of floor space when vertically rack-mounted, less than 16 square feet when horizontally installed in a table-top enclosure or console cabinet.

For educational, commercial and broadcast users – Duplicate master tapes recorded at 1⅞, 3¾, 7½ & 15 ips – mono and stereo

AMPEX

PD-10 TAPE DUPLICATING SYSTEM

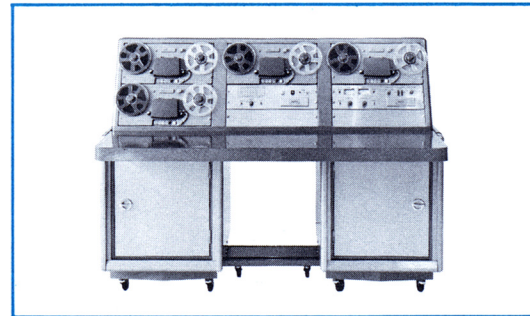
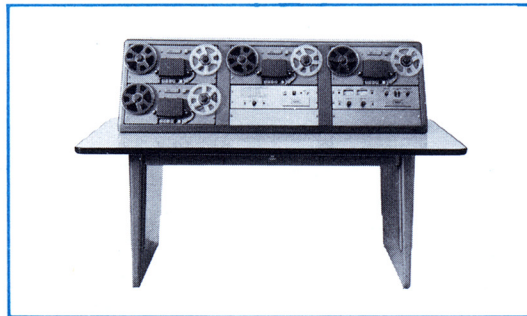
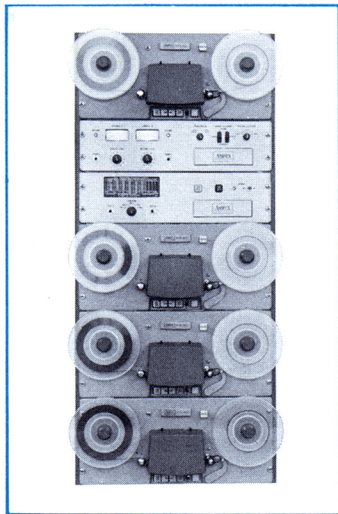


Produces
over 75
copies
a day!

AMPEX

PD-10

MONO/STEREO TAPE DUPLICATING SYSTEM



PD-10 SYSTEM IN TYPICAL INSTALLATIONS The standard PD-10 system is furnished as unmounted units ready for mounting in standard racks or cabinets. A system consists of: one master reproducer transport; three slave recorder transports; one dual-channel electronics unit; one master-control unit; necessary interconnecting cabling. A system can be mounted in a standard 19" wide rack cabinet (at left), taking only 45½" of vertical rack space. However, easy and convenient operation will be obtained if the units are installed in an enclosure for table-top use or in a console cabinet similar to those suggested above.

PROFESSIONAL FEATURES - PROVEN RELIABILITY

HIGH PRODUCTIVITY One operator can produce 1200-foot tape copies at the rate of more than:

75 per 8-hour day
375 per 5-day week
1,600 per 22½-day month
18,000 per 250-day year

SIMPLE OPERATION Ideal for non-technical users . . . master AC power switch turns on all units . . . tape threading is simple (and the same) for master and slaves . . . one master start/record button puts system into operation . . . complete system automatically stops when end of master tape is reached.

VERSATILITY For duplication . . . system duplicates Masters recorded at any of the popular playing speeds of 15, 7½, 3¾ and 1⅞ ips in monophonic at ½-track or dual ½-track and in 2-track stereophonic. Two duplicating speeds give the PD-10 the ability to decrease by one speed the playing speed of the duplicates from that of the master in mono or stereo. For example: 3¾ ips copies can be made of a 7½ ips master.

For master recording . . . up to 3 original master tapes can be recorded simultaneously from the same source material, mono or 2-track stereo, at 15 ips or 7½ ips. Each channel has individual VU meters and gain controls. Recording inputs can be standard line or (with optional plug-in preamps) from microphones. Phone jacks on front panel provide for easy monitoring of either or both channels.

FLEXIBILITY Independent track selection lets you record or duplicate language masters. Both tracks of dual half-track mono tapes can be duplicated simultaneously in one pass . . . or one track at a time.

PROVEN RELIABILITY Thoroughly proven in field tests and actual school operation since 1961. The PD-10 is backed by the Ampex 1-year warranty, plus Ampex' professional experience gained from its Series 3200 high-speed duplicators (used by practically every commercial recording company in the world).

PRECISION, LONG-LIFE COMPONENTS **Heads** . . . long-life professional Ampex heads. **Capstan** . . . precision-hardened stainless steel shaft with continuous oil-film lubrication. **Motor** . . . hysteresis synchronous for timing accuracy and high reliability. **Bearings** . . . all critical rotating parts use high-precision Class 7 ball bearings.

SPECIFICATIONS

Performance specifications are measured by professional standard methods and are guaranteed minimums user can expect in long-term operation with proper and normal use of equipment.

SPEEDS System duplicates master tapes recorded at 1⅞, 3¾, 7½ and 15 ips. Transports operate at 15 and 7½ ips. Duplicating time for 1200-foot tape at 15 ips: 16 minutes. Rewind time: 90 seconds for 1200 feet.

TAPE/REELS ¼ inch tape width, 5 and 7 inch diameter reels.

FREQUENCY RESPONSE Maximum deviation from master tape.

Deviation	Playing Speed of Duplicated Copies	Frequency Range
+2 to -4 db	7½ and 15 ips	50 to 15,000 cps
+2 to -4 db	3¾ ips	50 to 7,500 cps
+2 to -4 db	1⅞ ips	50 to 3,750 cps

CROSSTALK REJECTION (inter-channel) Better than 50 db rejection at all frequencies, at standard operating level.

SIGNAL-TO-NOISE RATIO Will not introduce more than 3 db noise on duplicates.

FLUTTER AND WOW Will not introduce more than 0.25% rms in duplicates (measured by ASA standard).

TIMING ACCURACY Better than ±0.25%.

RECORDING INPUTS (to record on any or all of the slaves)
Two, one per channel. Unbalanced bridge, 100 K ohms, 0.5 volts, with provision for plug-in line transformers or low impedance mike preamps.

HEADS Master Reproducer: stacked 2-track reproduce head.
Each slave: stacked 2-track record head.
No erase heads provided in slaves or master.

POWER REQUIREMENTS 117 volt AC, 60 cps; 117 or 230 volt AC, 50 cps; 700 volt amperes.

DIMENSIONS	Each of 4 Transports	Dual-Channel Electronics	Master Control
	8¾" x 19" x 6"	5¼" x 19" x 5⅞"	5¼" x 19" x 7¼"

UNMOUNTED WEIGHTS 25 lbs. 18 lbs. 10 lbs.

SHIPPING WEIGHTS (Domestic and Air Intl.) 34 lbs. 25 lbs. 17 lbs.

TAPE Ampex 600 Series and 200 Series (color-coded) recording tape recommended for optimum performance.

AMPEX

AMPEX CORPORATION
PROFESSIONAL AUDIO PRODUCTS

401 Broadway • Redwood City • California • 94063

Ampex equipment may be purchased or leased under special Ampex finance plans.

Offices and representatives in principal cities throughout the world.