

KEEPS AN ACCURATE, PERMANENT LOG OF VOICE COMMUNICATIONS

Dependability and professional audio quality when and where it is needed most . . .

- Police and fire department calls
- Ambulance dispatch and report
- Highway authorities
- Military communications
- Phone-call logging
- Airline communication and traffic control
- Railroads
- Private industry
- City, County Governments — for conference, "Town Hall" sessions, legislative, judicial.

AMPEX

CL-10

COMMUNICATIONS LOGGING RECORDER

Two-channel slow-speed recorder
built for reliability and long life
under heavy and continuous use.

AMPEX

CL-10

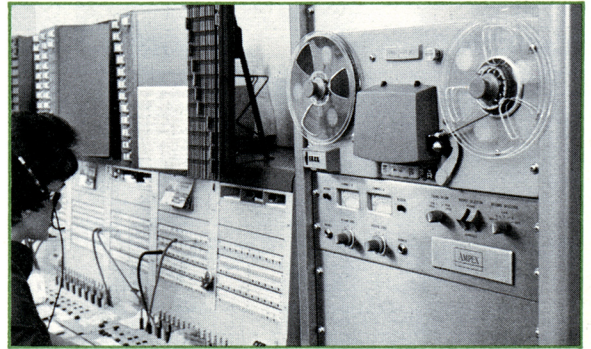
COMMUNICATIONS LOGGING RECORDER

Recording of voice communications provides "actual occurrence" documentation for analysis and personal protection, supplementing and supporting the written log. When the Ampex CL-10 is connected into a phone system, for example, the resultant recorded tape confirms verbal orders, times, dates and procedures and eliminates possible embarrassing and costly errors where proof of time or accuracy is required.

The slow-speed CL-10 is also ideal for recording extended conferences, lengthy stockholders meetings, speeches, discussions... any activity where long recording time is needed.

Job training is another important application; for example, actual dispatches or airport control tower procedures can be recorded and then played back to trainees to test their response under true-to-life situations.

For business, military, government, or training, the Ampex CL-10 can improve the efficiency, accuracy and reliability of the communications system.



SUMMARY OF MAJOR FEATURES

- Two independent channels, separate four-track record and playback heads, for one-channel or two-channel recording and playback.
- Provides 8 hours and 32 minutes of continuous, uninterrupted recording, single channel or two-channels.
- Up to 34 hours and 8 minutes recording time on a single 7" reel of 1/2 mil tape (four-track mono) with only three reel turn-overs (one every 8 1/2 hours).
- Two speeds, 1 5/16 ips and 1 7/8 ips. Slow speed means less wear on heads and moving parts.
- Four-digit resettable counter for easily locating specific messages.
- Uses standard, economical 1/4" tapes, which can be played on other recorders.
- Positive, electrical pushbutton operation of all tape transport modes.
- Complete remote control with Ampex accessory remote unit. Plugs into receptacle on recorder. All transport modes: record, play, fast forward and fast rewind can be controlled from any desired location.
- Solenoid operation permits tape transport start/stop with a foot switch or by automatic control such as voice operated relay.
- Elimination of erase head prevents accidental erasure while tape is on recorder. Tape re-use accomplished through bulk erasure.
- Exclusive electrodynamic drive gently handles thin-base tapes.
- Rigid, noise-insulated top plate of special aircraft-style construction insures permanent alignment of all components for precise tape handling.
- Simple maintenance servicing with front panel adjustments of compact electronics; shielded, hinged head cover opens wide to fully expose heads for easy cleaning.
- Head alignment "locked" to eliminate periodic need of head adjustment.
- Lifetime, solenoid-operated self-adjusting brakes.
- Hysteresis, synchronous motor for timing accuracy. Reserve power insures against stalling or overloading.
- Two large side-by-side VU meters permit simultaneous monitoring and balancing of channels.
- Individual A-B switches on each channel for quick "safety-check" comparison between input source and recorded tape.
- Fits standard 19" rack mount, takes only 14" of vertical rack space by 6" depth.
- Sturdy, lightweight, Royalite* portable case available.

* TM U. S. Rubber Co.

CL-10 GENERAL CHARACTERISTICS AND SPECIFICATIONS

General performance of the CL-10 is described in terms of specifications which are measured by professional standard methods. These are the **guaranteed minimum specifications** the user can expect in long-term operation.

OVERALL FREQUENCY RESPONSE:	200-3,000 cps ± 3 db at 1 5/16 ips 200-5,000 cps ± 3 db at 1 7/8 ips
SIGNAL TO NOISE RATIO:	(Peak record level to unweighted noise. Includes bias, erase and playback amplifier noise.) At 1 5/16 ips and 1 7/8 ips (60 cps): 40 db
FLUTTER AND WOW:	Less than 0.5% rms at 1 5/16 ips 0.4% rms at 1 7/8 ips
SPEED ACCURACY:	$\pm 0.6\%$ at 1 7/8 ips $\pm 1.0\%$ at 1 5/16 ips
OUTPUT:	+4 dbm into 600 ohm balanced or unbalanced load. Cannon XL Connectors. Single and two-channel headphone jacks provided
INPUTS:	Two inputs, one per channel. Both inputs are unbalanced bridging with provision for plug-in line transformers or low impedance plug-in microphone preamps.
START TIME:	Start time to 95% of full tape speed: Less than 100 milliseconds
SPEEDS:	1 5/16 ips and 1 7/8 ips
COUNTER:	4-digit resettable
BIAS CURRENT ADJUSTMENT:	Adjusted to attain maximum recorded signal at 15 mil wave length when using Ampex 631 tape
POWER REQUIRED:	117 volts AC, 60 cycles
DIMENSIONS:	Rack Space: Standard 19" width. Takes only 14" of vertical rack space Unmounted components: Transport, 8 3/4" high x 19" wide x 6" deep Electronics, 5 1/4" high x 19" wide x 5 7/8" deep Mounted in portable case, overall dimensions: 15 7/16" high x 20 1/2" wide x 9 1/16" deep
WEIGHT:	Unmounted, 44 lbs. In portable case, 53 lbs.
PROFESSIONAL USER PRICE:	Unmounted, catalog #4018002-01 \$1,245 In portable case, catalog #4018002-03 \$1,325

AMPEX

AMPEX CORPORATION
PROFESSIONAL AUDIO PRODUCTS
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