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TAPE RECORDING BROADCAST

THE FRONT COVER



DESIGNED to fit the requirements of f-m broadcast application, the Ampex tape recorder provides a 35-minute transcribing capacity at 30 inches of tape per second. Included are precision tape drive, completely-shielded plug-in head housing with separate heads for erase, record, and playback and separate record and playback amplifiers.

Frequency response of the unit is within ± 1 db between 30 and 15,000 cps. Distortion of the overall system is 4-percent intermodulation at peak meter reading. Ten db above peak meter reading the total rms harmonic distortion does not exceed 5 percent. Unweighted noise level is 60 db below 5-percent harmonic distortion for the system as a whole—including both amplifiers, bias, erase and stray pickup. Accuracy of playback timing is ± 0.2 percent.

The battery of test gear used in final production testing of the recorder is shown in the photograph above.