

AMPEX

Search and Cue Accessory for Ampex MM-1000, MM-1100 and AG-440 series Recorder/Reproducers

Features:

- **tape-driven operation, reads in minutes and seconds**
- **four speeds (3¾, 7½, 15, 30 in/s) in speed pairs**
- **searches in either direction to any preset point**
- **digital readout up to 100 minutes**
- **high-speed timing capability**
- **direction sensing provides constant, gentle tape control**
- **operates on standard 115 vac, 60 Hz power**

The Search and Cue Accessory is a valuable and highly efficient new tool for timing and control, now available to users of Ampex professional studio recorders. It can be added to any existing MM-1000, MM-1100, or AG-440 series recorder. There are a wide variety of potential applications in recording studio, broadcast, and film production work.

Several unique features set the Ampex Search and Cue unit apart from any other similar device currently available. First, the unit is tape-driven, employing a tachometer in the tape path for measurement. Secondly, the device measures in minutes and seconds rather than turntable revolutions. The advantages of this constant unit of measurement are that the tape can be transferred to another machine, or leader can be added without affecting the timing of the tape. Thirdly, the Search and Cue provides an easily readable Nixie

tube display of up to 99 minutes and 59 seconds.

During recording, the engineer logs the start time of each take from the readout of the Search and Cue, or he can even record points within a take, such as a bridge in a musical selection, if he so desires. To find any given point on the tape later, he merely dials in the time with a thumbwheel switch on the panel, then presses the Search button. The unit automatically senses the required direction of search, and shuttles the tape to the point desired. When the preselected point is reached, the Search Complete lamp illuminates.

The tape search unit also acts as a motion sensing device, and controls the recorder's tape handling mechanism. All starting, shuttling, and stopping is done with the torque motors only, never with brakes, which results in gentle tape handling.

A complete set of controls and indicators allows the engineer to constantly monitor all functions,

either remotely or at the transport. In addition to the digital readout, thumbwheel switch, and Search button mentioned previously, there is a Release button, which allows the search to be aborted before it is complete. The Clear button resets the counter/memory to zero. In addition, there is a speed selector switch, and lamps to indicate direction of tape travel, search in progress, and equality of preselected and actual tape times.

In addition to the applications in the recording studio, cutting rooms will find the Search and Cue accessory to be highly valuable for timing operations. Since the unit operates in either fast forward or rewind, selections or complete programs can be timed as rapidly as possible with complete accuracy. In broadcasting, the Search and Cue will be especially useful in logging operations, where it can be coupled with an AG-440B operating at 3¾ in/s. Spot checks can be run or short program segments can be located in a minimum of time.



AMPEX

Ampex Corporation, Audio-Video Systems Division
401 Broadway
Redwood City, California 94063

U.S. Sales Offices in: CALIFORNIA, Los Angeles (213) 240-5000, San Francisco (415) 367-4431 • GEORGIA, Atlanta (404) 633-4131 • ILLINOIS, Chicago (312) 593-6000 • MARYLAND, Bethesda (301) 530-8800 • MASSACHUSETTS, Boston (617) 890-2040 • NEW JERSEY, Hackensack (201) 489-7400 (in New York City 736-6116) • OHIO, Dayton (513) 254-6101 • PENNSYLVANIA, Philadelphia (215) 687-7650 • TEXAS, Dallas (214) 637-5100 • Sales and Service Companies throughout the world.

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