

AMPEX

VS-10 Variable Speed Oscillator Accessory for AG-440 and MM-1100 Recorders

Features

- Outstanding accuracy and reliability
- Separately powered four digit readout display, 110/220 vac, 50/60 Hz
- Both coarse and fine variable speed control
- Readout either in percent of nominal speed, or in frequency (50 or 60 Hz center frequency)
- Nine preset speeds in quarter-tone steps
- Weighs only 2½ lbs
- Will drive up to three recorders

SPECIFICATIONS

Input Power:

Non-display model
+12 to +15 VDC, 0.065 amps
(from capstan servo)

Display Model:

+12 to +15 VDC, 0.080 amps
(from capstan servo)
115 VAC, 50/60 Hz, 4 watts
230 VAC, 50/60 Hz, 4 watts

Tone Accuracy:

±0.5% over full environmental range
Repeatability ±.1% (Display model)

Output Signal:

Nominally 9600 Hz, 5.0 volt square wave

Environmental:

Temperature 0 to 55°C
Humidity 0 to 95%

Dimensions:

Height 1¾ inches
Width 8½ inches
Depth 10½ inches

Weighing in at 2.5 lbs. with unmatched accuracy and resetability, the VS-10 is the most compact, reliable and economical system of speed variation now available to users of AG-440 and MM-1100 series recorder/reproducers.

The VS-10 adds varied broadcast running times, phasing and delay effects, off-speed compensation, controlled double tracking and more to your studio's special effects repertoire — at a bargain price.

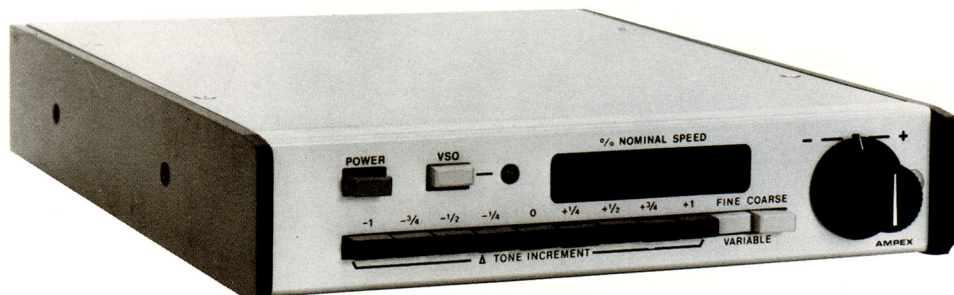
In play or record mode the VS-10 varies the capstan speed of the recorder over a controlled range. Front panel push buttons permit selection of ±1 tone in quarter-tone steps, while the variable speed control allows speed variation ranging ±50-250% of nominal speed (approximately 1.5 octaves). Both fine and coarse variable control is provided.

The VS-10 is available in two

versions: with or without a four digit readout display. The display model indicates nominal speed as 100.0%, and displays varied playing speed as a percentage of nominal speed (will work with speeds 3¾ through 30 in/s) or in frequency (50 or 60 Hz center frequency).

Since the readout uses the servo's crystal reference for control it is extremely accurate and stable, providing excellent repeatability. Accuracy is to four decimal points. The display module includes its own power supply, while the oscillator itself derives power from the capstan servo of the associated recorder.

The two versions of the VS-10 are self-contained, identical in size, and may be either shelf or rack mounted. A single cable connects the VS-10 to the associated tape recorder. A front panel light indicates VSO operation.



The VS-10 with the four digit readout display.

AMPEX

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