

AKS 80

^ GANGED LEVEL CONTROL WITH PREVIEW DELAY ~~AKS 80~~

It is often necessary to make level corrections during a tape-to-disk transfer. Up to now most people have done this using the ganged controls found on NEUMANN transfer consoles in which preview and modulation are controlled in tandem. This sort of control, however, is not precise in view of the fact that any influence on program must begin in the preview channel and must be effective in the modulation channel with the preview distance delay. The AKS 80 unit performs this function precisely and indeed delays the level control for the half revolution of preview used with the VMS 80 Lathe. For the control of this function there are two digital inputs available. The first of these must be fed from the VMS 80 Lathe's sync signal labled "16 f_D" (16 times the turntable rpm = 8.88 Hz for 33 1/3 rpm) and produces the half revolution delay normally provided by the preview distance. If this sync signal is missing, the delay is automatically cancelled. The delay may also be cancelled if the second digital input DEL EN H (Delay Enable High) is connected to 0 volt (high if unconnected).

When used with the VMS 70 or VMS 66 Lathes, this sync signal must be generated externally.

PRELIMINARY TECHNICAL DATA:

Nominal powering voltage:	0.775 V \pm 0 dB
Current consumption at above voltage:	\pm 15 V \pm 10%
Level control range:	\leq \pm 100 mA
Tracking for all four channels:	\pm 6 dB linear, with detent in center at 0 dB point.
Frequency range:	0.1 dB
Input impedance:	20 - 20,000 Hz \pm 0.1 dB
Output source impedance:	\geq 30 kohm unbalanced
Minimum termination:	\leq 50 ohm unbalanced
Max. input/output level at nominal powering voltage:	\approx 2kohm
Crosstalk over response range:	+20 dB
THD over response range (+20 dB into 2 kohm)	\geq 70 dB
	\leq 0.3%

S.F. TEMMER Unweighted and Wtd noise levels at V_A=0 dB:

Mechanical Dimensions: Stereo linear motion fader in A1 cassette (40 x 190 mm) with mechanical linkage, disconnectable, control path 120 mm.

Housing depth behind panel: 109.5 mm