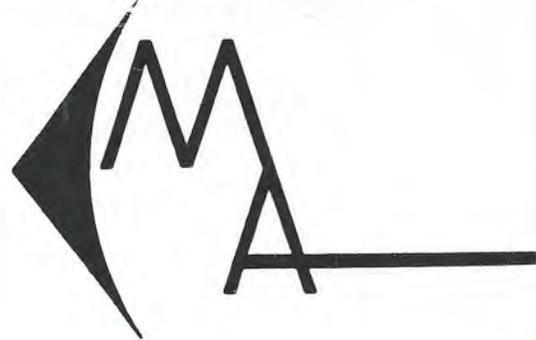
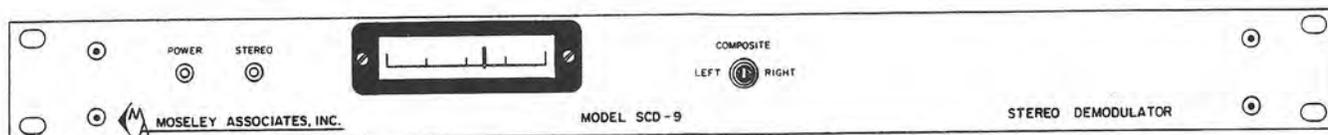


STEREOPHONIC DEMODULATOR MODEL SCD-9



Bulletin 284



The SCD-9 Precision Stereo Demodulator is intended to be used for demodulating a composite stereo waveform into the original left and right channels. This unit may be used as part of an AM composite stereo program carriage system (STL) or for general purpose FM stereo demodulation.

The SCD-9 may be used with the Moseley Associates SCG-9A Stereo Generator or any other high quality stereo generator for conveying two audio channels over a single composite studio-transmitter link such as the Moseley Associates PCL-606/C or PCL-505/C.

The SCD-9 includes demodulation and de-emphasis circuitry as well as 15 kHz low-pass filters and output amplifiers for 600 ohm lines. Stereo indication is via front-panel LED with SPDT relay for external stereo indication/enabling, and peak-reading meter for level monitoring.

MOSELEY ASSOCIATES, INC.

A FLOW GENERAL COMPANY

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SCD-9 STEREO DEMODULATOR

PRELIMINARY SPECIFICATIONS

Composite Input:	10K ohms, unbalanced, nominal level 3.5 volts peak-to-peak, into female BNC connector.
Audio Frequency Response:	±0.5 dB, 30 Hz to 15 kHz.
De-emphasis:	75 µsecond standard, to match standard stereo generator pre-emphasis.
Signal-to-Noise Ratio:	70 dB or better, left or right channel, demodulated, with 75 µsecond de-emphasis.
Total Harmonic Distortion:	Less than 0.25%, 30 Hz to 10 kHz.
Separation:	40 dB or more, left to right channel or right to left channel, 30 Hz to 10 kHz (35 dB or more, 30 Hz to 15 kHz).
Audio Output:	600 ohms nominal, balanced, floating, at +10 dBm nominal, adjustable over a ±3 dB range.
Stereo (19 kHz Pilot Subcarrier) Indicator:	Front panel LED with form C relay contacts, brought out to rear panel (rated at 1 amp/ 120 Volts A.C. maximum).
Metering:	Full-wave switchable peak-reading meter for composite input level, left channel output, right channel output level.
Power Requirements:	120/240 VAC, 50/60 Hz, 15 watts.
Operating Temperature Range:	0°C to +50°C
Size:	1 3/4" (4.5 cm) high, 19" (48.3 cm) wide, 14" (35.6 cm) deep.
Weight:	10 pounds (4.5 kg).

Specifications subject to change without notice.



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