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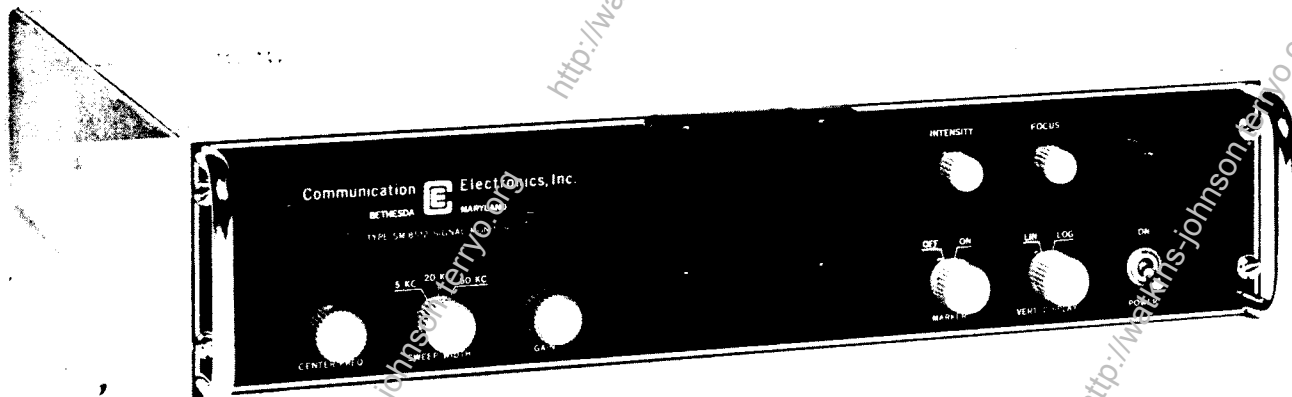
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Technical Data

TYPE SM-8512 SIGNAL MONITOR



The CEI Type SM-8512 Signal Monitor has been designed for use with receivers having a 455-kc IF center frequency. It provides a visual display of signals in a band around the received frequency.

Base line break-up due to overload on strong signals has been eliminated in the SM-8512 by direct coupling of the detector to the CRT deflecting plates. This makes it possible to observe weak signals close to very strong signals.

Nuvisitors and solid state devices are used in the design to keep power consumption and size to a minimum.

TYPE SM-8513 AVAILABLE



The Type SM-8513 Signal Monitor is a dual unit. Performance of each single unit is identical to the performance of an SM-8512 Signal Monitor. Each unit of the SM-8513 is completely independent of the other unit, from the front-panel controls to the separate rear-apron power cords. This equipment was designed for monitoring two signals simultaneously from different sources. The panel height of the SM-8513 is 5.25 inches.

Price: \$2,900.00

COMMUNICATION ELECTRONICS INCORPORATED

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SPECIFICATIONS

Number of Inputs	One, type BNC
Input Impedance.	50 ohms
Input Center Frequency.	455 kc
Flatness of Response	Determined by RF response of receiver being employed; particulars available on request.
Sweepwidth	50 kc, 20 kc, or 5 kc, switched by front-panel control
Sweep Linearity.	Linear over-all to within 5% of the total sweep width
Sweep Rate	
50-kc Sweep Width	12 cps \pm 2.5 cps
20-kc Sweep Width	8 cps \pm 2.0 cps
5-kc Sweep Width	4 cps \pm 1.0 cps
Resolution	
50-kc Sweep Width	Minimum 6-db valley between signals 2.5-kc apart
20-kc Sweep Width	Minimum 6-db valley between signals 1.2-kc apart
5-kc Sweep Width	Minimum 6-db valley between signals 250-cps apart
Image Rejection.	50 db, minimum
Sensitivity	5 μ v input at 455 kc produces at least one inch deflection on the CRT
Gain Control Range	60 db, minimum
Crystal Marker	
Frequency	455 kc
Tolerance	\pm 0.01%
Amplitude Scales	
Linear	A signal 20 db down from the value that produces 100% vertical deflection will produce 10% deflection
Logarithmic	A signal 40 db down from the value that produces 100% deflection will produce 10% deflection
CRT Display Type	3XP2
Front Panel Controls	Center Frequency; Sweep Width; Gain; Marker, On/Off; Vertical Display, Lin/Log; Power; Intensity; Focus
Power Input	115/230 volts, 50-400 cps
Power Consumption	30 watts, approximately
Weight.	15 lbs., approximately
Size	3.5-inches high, 19-inches wide, 15-inches deep

NOTE: A modification kit and instructions to modify the R390 and R390A receivers are included with the SM-8512. Please specify receiver type when ordering.

PRICE: \$1,400.00

FOB Rockville, Maryland. Taxes extra where applicable. Price and specifications subject to change without notice.