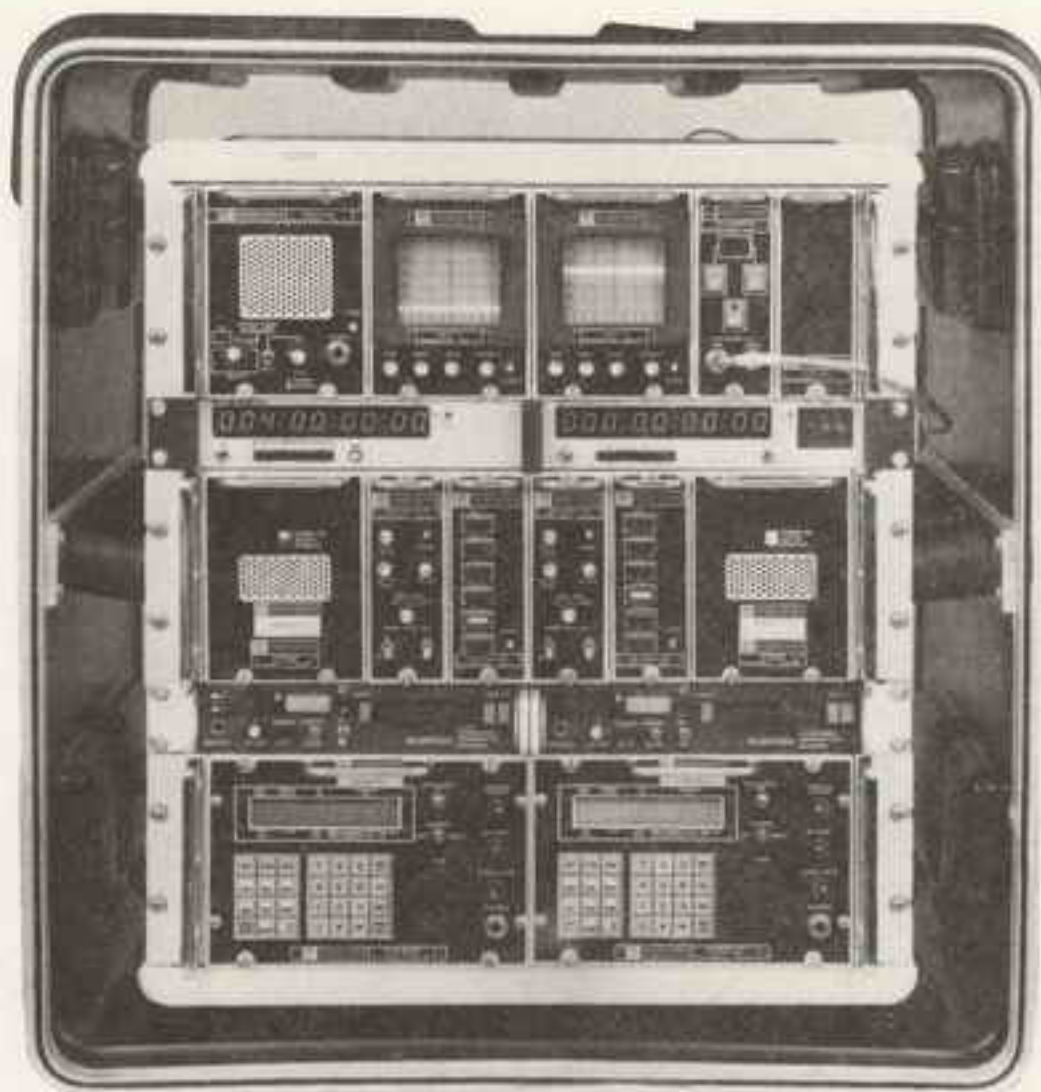


WJ-9040/SYS013

WJ-9040 TRANSPORTABLE COLLECTION SYSTEM



The WJ-9040/SYS013 Transportable Collection System provides an integrated search, acquisition, monitoring and recording capability, shock mounted in a transit case for ease in transporting. Covering a frequency range of 5 kHz to 1400 MHz, the system offers high performance in a compact, cost-effective package.

The system occupies 19 $\frac{1}{4}$ " of a standard 19" rack mount (exclusive of transit case), and is composed of two HF receivers (5 kHz to 30 MHz), two VHF/UHF receivers with frequency extenders (20 MHz to 1400 MHz), two signal monitor units with XY displays, a speaker panel, a time code generator/reader and two cassette tape recorders, together with the requisite audio and RF switches for signal routing. With the exception of the speaker panel and the time code generator/reader, there is complete redundancy in the system, allowing continued operation even if one or several modules fail during an operational mission.

System receivers are controlled through the front panel of one of the WJ-8628-4 Receiver/Controllers, and either receiver may be designated as controller by merely connecting one BNC connector at the rear of the system. The WJ-8628-4 Receivers are capable of both channel scan (up to 99 channels) and F1-F2 scan (up to five programmable sectors). Signal activity from any of the receivers in the system can be displayed on either of the XY Displays through the SSU106 Signal Select Units. The audio output of any of the receivers can be routed to channel A of either of the cassette recorders through the ASU-226-2 Audio Switching Unit. Track B of the recorders is connected to the time code generator/reader.

Similar systems covering different frequency ranges and with additional or different options to meet specific requirements can be configured using WJ-9040 modules. The compatible mechanical, electrical and control characteristics of the WJ-9040 family of modules allows such systems to be integrated with relative ease.