

# ***AN/DPM-27(V)***

## **NAVAL IFF INTERROGATOR/ TRANSPONDER TEST SET**

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### **FEATURES:**

- For Ship and Shore Installations
- Meets all requirements for DOD AIMS 97-1000
- Meets all requirements for Mode 4 as specified in DOD AIMS 97-900D
- Field test capability, portable
- Radiate, direct and self-test modes
- Meets all requirements for military test equipment as specified in MIL-T28800
- Battery or AC power operated

The Herley AN/DPM-27(V) is a high performance, low cost IFF Interrogator/Transponder Set specifically designed for Naval Ship and Shore Installations. The Interrogator Set is capable of interrogating MARK XII IFF/SIF type radar transponders, receiving and processing the RF replies into proper video signals to be distributed to various decoders and indicators. The interrogations are transmitted on a crystal-controlled frequency of 1030 MHz and received at 1090 MHz. The AN/DPM-27(V) generates interrogator pulse pairs for modes 1, 2, 3/A and Mode C, whenever one of these modes are selected. The same capability exists in Mode 4.

The set permits the testing of interrogators and transponders to be simulated at both the RF and video level and may be synchronized to the item or system under test. The AN/DPM-27(V) is capable of testing standard common Navy/Air Force transponders such as AN/APX-64, APX-72, APX-100, APX-101 and interrogators such as AN/UPX-27, AN/TPX-42, AN/UPX-25, AN/TPX-54 and AN/TPX-56. The system is also used for tests on Drone IFF equipment, such as the AN/DPN-88 transponder. In addition, testing on Combined Interrogator/Transponders (CIT) may be performed on systems such as the AN/APX-109 and AN/APX-112.