



MAN PORTABLE IFF MODE 5
INTERROGATOR

#MilitaryCommunication



aselsan



MAN PORTABLE IFF MODE 5 INTERROGATOR

IFF Mode 5 Interrogator is a Short Range Man Portable Interrogator which meets today's air defence needs with Mode 5 feature. Man-Portable IFF Interrogator is compatible with NATO STANAG 4193 Edition 3 and supports Mode 1, 2, 3/A and encrypted Mode 5.

Man-Portable IFF Mode 5 Interrogator works with legacy antenna subsystem and trigger interface on Stinger Missiles.

Man-Portable IFF Interrogator interrogates the target and warns the operator audibly and visually according to interrogation result.

Technology

Man Portable IFF Mode 5 Interrogator includes; FPGA and Microprocessors with high processing power, highly integrated RF tranceiver with high sampling rate and digital modulation/demodulation techniques. All functions are fulfilled in one device and therefore flexibility and reliability are significantly provided.

Main Features

- NATO STANAG 4193 Edition 3 Compatible
- Capability of Mode 5 Operation with Plug-In Crypto Device
- Directed Mode 1, 2, 3/A Interlace Interrogation
- Capability of Control and Monitor via Display
- Screen Blanking Feature
- Interfaces: Ethernet (Debug), Asynchronous RS422 (NMEA 0183)
- Sum and Diff Antenna Interfaces
- Digital Target Reporting
- Aural and Visual Warning Interfaces
- Built-In Test (BIT) Capability

Technical Specifications

- | | |
|------------------------------|---|
| • Operating Frequency | : 1030 MHz (transmission)
1090 MHz (reception) |
| • RF Output Power (peak) | : 100 W \pm 2 dB nominal |
| • Battery Voltage | : 20.5 - 28.8 VDC |
| • Transmission Duty Cycle | : %1 |
| • Operating Temperature | : - 30°C to +43°C |
| • Shock, Humidity, Vibration | : MIL STD 810G |
| • EMI/EMC | : MIL STD 461G |

Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.