

KNOW BEFORE YOU GO™



Infrared Baringa Missile Warning System Test Set

Part Numbers: EU00038-02-FG (one color) EU00035-01-FG (two color)

Specifications subject to change without notice.

Providing confidence and reliability through total spectrum test and training solutions.

The Infrared (IR) Baringa is a confidence test set used to stimulate one- or two-color IR missile warning systems including the AN/AAR 44, AN/AAR 58, Passive Airborne Warning System (PAWS) and future designs.

A rugged, battery-operated test set that can be handheld or supported on a simple tripod, the IR Baringa is programmed to radiate spectral and temporal, classified and unclassified missile IR plume signatures. It can be operated from typical standoff ranges of 5-15 meters (m) or 15-50 feet (ft.) from the missile warning system.

An optional management software package is available for creating and downloading test templates, as well as for remote control of the test set using a Recommended Standard (RS) 232 serial port for laboratory applications.

Specifications

- Performance:**
- Maximum radiant intensity
 - One-color model: 10 milliwatts per steradian (mW/sr) broad mid-IR band
 - Two-color model: 10 mW/sr blue, 5 mW/sr red, mid-IR band
 - Frequency response greater than 2 hertz (Hz) at 80 percent modulation depth; greater than 10 Hz at 35 percent modulation depth; and greater than 20 Hz at 10 percent modulation depth
 - Shutter response time of less than 10 milliseconds (ms) rise time, less than 10 ms fall time, greater than 50 ms single pulse duration, and greater than 5 Hz multiple pulse frequency
 - Beam divergence 25 degrees (half power)
 - Apparent source diameter less than 5 millimeters (mm)
 - Beam wavelength compatible with AAR-44, AAR-58, PAWS I and II, and future IR-based systems
 - Effective range to warner typically 5-30 m (15-100 ft.)
 - Test profile duration of 10 seconds (20 seconds for "Position 8")
 - Standby time less than two seconds
- Test profiles:**
- 10-way selector switch offering choice of eight test (missile warner declaration) profiles
 - Ninth position is a "soft" programmable profile direct from the utility port
 - Tenth position is a preset fixed amplitude profile of 120 seconds duration
- Power supply:**
- Rechargeable battery
 - External 12 volts direct current, or VDC, via utility port
- Indicators:**
- Battery status, ready and operational
- Controls:**
- On/off switch and trigger on the hand grip
 - Profile selector switch
- Utility port:**
- RS 232/422 serial communication port
 - External battery charge
 - External power input
- Physical parameters:**
- 330 mm x 115 mm x 135 mm (1.1 ft. x 0.4 ft. x 0.4 ft.) excluding handle
 - Mass less than 4.1 kilograms (9 pounds) including battery pack
- Environment:**
- Operating temperature -20 to 55 degrees Celsius (°C) excluding batteries
 - Storage temperature -40 to 71°C
 - CE marked
 - Designed in accordance with MIL 28800 PRF and DEF STAN 66-31

For information within the United States, please contact:

AAI Corporation
124 Industry Lane
Hunt Valley, MD 21030
800-655-2616
AAI_EO_IR@aai.textron.com

For information outside the United States, please contact:

ESL Defence Limited
16-17 Compass Point, Ensign Way
Hamble, Southampton Hampshire
SO31 4RA
+(44) 2380455110
sales@esldefence.co.uk