

## AN/AAR-44B

### IMPROVED INFRARED WARNING RECEIVER

Long range, multi-threat capabilities provide continuous track while search and verification of surface-to-air and air-to-air missile launches for unsurpassed survivability.



### OVERVIEW

- Sensor Unit Electronics upgraded to provide increased detection range.
- Field proven reliability and performance.
- Currently deployed.
- Pinpoint threat resolution.
- Covert threat warning fully compatible with EMCON operations.
- High probability of detection and low false alarm rate.
- Long range detection for maximum time to counter missile.
- Operational over entire flight envelope. Variable sensor configurations for hemispheric or spheric field of view.
- Simultaneous multi-threat capability.
- Multispectral discriminators to reject backgrounds and countermeasures.
- Full system operation with or without data bus integration.
- DIRCM interface.
- Robust scanning IR technology.
- Flight line reprogrammable.



# Cincinnati Electronics

## AN/AAR-44B

### SPECIFICATIONS

#### SYSTEM

Technology: Scanning Infrared  
Warning Provisions: Three indicators: crew visual, audio and external countermeasures command  
Performance: Classified

#### SIZE

Control and Display: 102 x 142 x 150 mm  
(4.1 x 5.7 x 6.0 in)  
Processor: 200 x 212 x 252 mm (8.0 x 8.5 x 10.1 in)  
Sensor: 400 x 369 mm dia (16 x 14.75 in dia)

#### WEIGHT

Overall System: 27.97 kg (61.75 lb)  
Control and Display: 1.13 kg (2.5 lb)  
Processor: 8.27 kg (18.25 lb)  
Sensor: 18.57 kg (41.0 lb)

#### POWER

115 V ac, 400 Hz  
(Operate mode typical): 3 phase 155 W  
+28 V dc: 75 W  
Compatibility: MIL-STD-1553B

#### DESIGN SPECIFICATIONS

MIL-STD-781, MIL-Q-9858, MIL-E-5400  
MIL-STD-454, MIL-STD-704,  
MIL-STD-810, MIL-STD-461,  
MIL-STD-462

#### ENVIRONMENTAL

Storage Temperature: -54°C ( -65°F )  
to +90°C (194°F )  
Operating Temperature: -54°C ( -65°F )  
to +71°C (159°F )  
Storage Altitude: 0 to 15.24 km ( 0 to 50,000 ft )  
Operating Altitude: 0 to 15.24 km ( 0 to 50,000 ft )



Integrated with Meggitt Avionics TWI Display

#### **Cincinnati Electronics**

Infrared Systems  
7500 Innovation Way  
Mason, Ohio 45040-9699  
Toll Free: 1-800-543-8220  
Tel: 513-573-6370  
Fax: 513-573-6566  
[www.L-3Com.com/CE](http://www.L-3Com.com/CE)



**communications**  
Cincinnati Electronics