

# RD15B



fully rugged 15" display

**AMREL**<sup>®</sup>  
Pioneering Customized Rugged Solutions



## 15 INCHES OF PURE TOUGHNESS.

Certified for MIL-STDs 810 & 461, no other display comes close in reliability, durability, and survivability. The RD15B display has proven itself in severe temperatures, extreme vibrations, water, sand, and whatever else a hostile environment can throw at it. Use as a stand-alone device or as an in-vehicle display.



WATER



FROST



SAND



SHOCK



HEAT



DROP

## Technical specification

Display	15" TFT display (38.1 cm visible area) VGA, SVGA, XGA (max. 60 Hz) Integrated touch screen, resistive
Resolution	XGA 1024 x 768 pixel
Format	4:3
Display colors	Up to 16.7 million colors or 256 levels of grey
Viewing angle	Vertical: 160° Horizontal: 160°
Contrast	700:1
Luminance	typ. 300 cd/m <sup>2</sup>
Reaction time	25 ms (T <sub>on</sub> +T <sub>off</sub> )
Certification	IP 65 (front side), IP54 interfaces MIL-STD 810F, MIL-STD 461E Ground Navy
Case	Rugged magnesium housing
Color	Standard: military green, military grey (navy grey) (other colors on request)
Dimensions	13.82" x 11.81" x 2.24"
Weight	7.9 lbs

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MIL-STD 810G	Operating	Storage
<b>Altitude</b> Method 500.4, (Procedure I, II)	4572 m (15000 ft)	4572 m (15000 ft)
<b>Temperature</b> Method 501.4 & 502.4, (Procedure I, II)	-31°C to +63°C	-40°C to +85°C
<b>Humidity</b> Method 507.4	+30°C to +60°C at 95%	+30°C to +60°C at 95%
<b>Salt fog</b> Method 509.5, (Procedure I)	5 %, 35° C (95°F)	5 %, 35° C (95°F)
<b>Vibration</b> Method 509.4, (Procedure I)	5 - 500 Hz, 1 g	5 - 500 Hz, 1 g
<b>Shock / drop</b> Method 516.5, (Procedure I)	15 g, 11 ms	15 g, 11 ms



RD15B interfaces STD



RD15B Rear Side



RD15B with Stand Unit



RD15B vehicle installation

## More Technical Specification

- 8 programmable function keys
- luminance of the display and keyboard dimmable separately
- delay of the power button (ON / OFF <- press 5 sec)
- mousepad with right and left mouse button
- 2 speakers
- dimmable backlight to 0,37 cd/m<sup>2</sup>
- quick shut down the backlight
- OSD menu in front panel
- traction relief
- Invisible mode (door contact)

## Interfaces

FRONT SIDE:

- 1x USB

REAR SIDE:

- 2x USB
- VGA
- DP-DVI
- MIL DC-In (integrated Invisible mode function)

## Options

- Display mounting:
  - e.g. for vehicle installation
  - RD15B StandUnit
- Certificated for SDIP 27 Level B (BSI Zone 1)
- PiP picture in picture function
  - 2 signal sources can be processed simultaneously



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