



DataMetrics™

**TUFFVIEW™**

**5300**

**15-INCH FLAT PANEL  
DISPLAY**

\*Previously Model #5300



### Key Features

- 15-inch TFT LCD Display
- Sealed Unit
- Rugged Design for Harsh Environments
- Rack Mount - Wall Mount - Tabletop

### Model 5300 15-Inch Flat Panel Display

DataMetrics™ rugged displays combine environmental and mechanical engineering technology with computer technology to produce monitors for military and industrial applications. The Model 5300 Flat Panel Display is designed to meet and exceed the most stringent military specifications. The performance of these ruggedized monitors leave their commercial counterparts in the dust. Simply because they can perform every function that their commercial counterparts can perform, but DataMetrics™ rugged displays are able to withstand and operate in the harshest environments.



\*Simulated Image

**Fully Mission Capable™**

## Environmental Characteristics

Temperature	Operating: -29°C to 55°C Storage: -29°C to 70°C
Humidity	10% to 100%, Condensing
Sand, Dust & Rain	Sealed
Orientation	Any
Vibration	.5g Sinusoidal and Random
Shock	Operating: 15G Non-operating: 20G
Altitude	Operating: 15,000 ft. Non-operating: 50,000 ft.
EMI/EMC	FCC parts 15, Class B

## Performance Characteristics

LCD Display	Active Matrix Thin-Film-Transistor (TFT)
Effective Display Size	15 in. Diagonal
Luminance	250 cd/m <sup>2</sup> (typical: center/all white)
Viewing Angle	70° up and down, 60° right and left
Pixel Number	1024 x 768 (XGA)
Backlight	Cathode Fluorescent Light (CFL) 4 Tubes Backlight
Contrast Ratio	300:1 (typical)
Display Color	16.2 million (8 bit)
Video Input (Interface)	Analog Red, Green, Blue (75 ohms)
Interface	5 BNC – Separate HV
Interface - Optional	Composite / S-Video

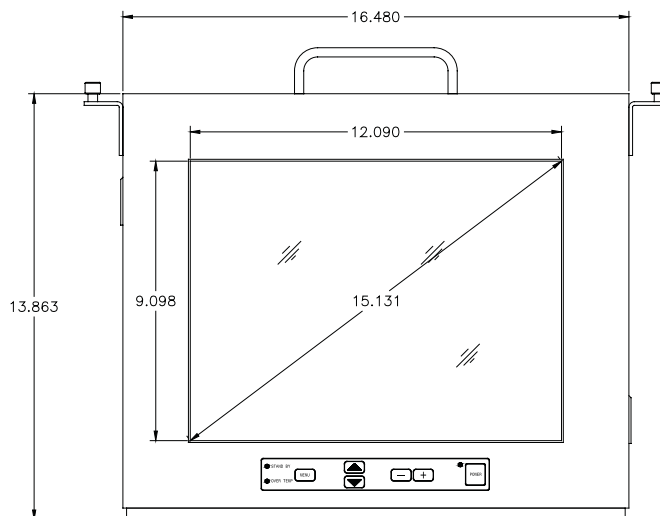
## Electrical Characteristics

Power Input – Standard	.85 - 264 Vac, 47 - 440 Hz
Power Input – Optional	.24 - 36, 48 Vdc available
Power Consumption	.8W Power Save, 40W Nominal, 45W Max with Heater

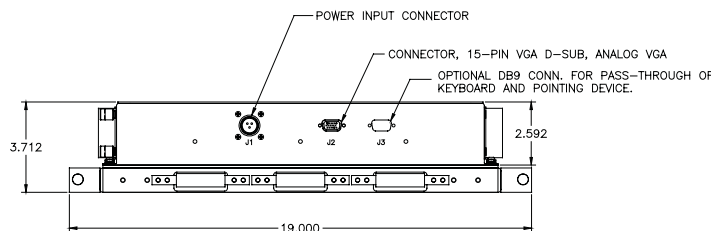
## Physical Characteristics

Size	19 in. W x 14 in. H x 3.75 in. D
Weight	24 lbs.
Rack Mount	.RS-310 RETMA

## Front View



## Top View



## Ordering Information

Please contact DataMetrics™ for exact specifications and options.