

TL-354

21.3" Thin Lightweight Display (1600 x 1200)

Rugged Displays and Computing: Displays



The TL-354 is a new 21.3" thin and lightweight rugged display combining unmatched thinness with exceptionally low weight.

A perfect fit for legacy systems

ScioTeq's TL-354 offers a new generation upgrade solution for the TL-351 in terms of LCD resolution, ruggedisation, and display functionality.

The TL-354 can serve as a drop-in replacement for customers needing displays with a 4:3 aspect ratio and 1600 x 1200 screen resolution. It is the perfect solution for legacy systems currently equipped with a 20.1" UXGA display.

The TL-354 features a first-class 21.3" Active Matrix Liquid Crystal Display offering excellent performance in terms of brightness, dimming, crispness, contrast, and viewing angle. Equipped with an LED backlight, the TL-354 offers a long lifetime and reduces power consumption.

ScioTeq's TL displays are designed for application in the most extreme environments, making them suited for naval combat, army, UAV and airborne use.

Product Specifications

Panel Size	21.3"		
Resolution	1600 x 1200 (UXGA)		
Brightness	Typical 300 cd/m ² (87 fL), LED backlight		
Contrast Ratio	Typical 1500:1		
	Standard	Rugged Option	
Vibration	Ships	MIL-STD-167-1 Type 1	
	Airborne	2 g MIL-E-5400T Fig.2, curve IIa (sheet 2 of 3)	
	Random	5 g MIL-E-5400T Fig.2, curve IIIa (sheet 2 of 3)	
Shock	MIL-STD-810F Meth 516.5 30 g - 12.5 ms	MIL-STD-810F, Meth 514.5 30 g - 12.5 ms	MIL-S-901D Lightweight Grade A
	Low temp: -10°C (immediate usable image at power up, image fully compliant with specs after 30 minutes) Low temp: 0°C High temp: + 50°C	Low temp: - 40°C High temp: + 55°C	
Storage Temperature	Low temp: - 40°C High temp: + 70°C	Low temp: - 40°C High temp: + 70°C	
Relative Humidity	max. 95% @ 40°C	max. 95% @ 40°C	
Drip Proof	MIL-STD-810F Meth 506.4 proc III	MIL-STD-810F Meth 506.4 proc III	
Altitude Low Pressure	40,000 ft (187 mbar)	40,000 ft (187 mbar)	
Rapid Decompression		MIL-STD-810F, Meth 500.4 Proc III, 8,000 ft to 40,000 ft in 15 s	
EMI/EMC	MIL-STD-461F - NAVY Applications	MIL-STD-461F - NAVY Applications / Navy fixed and Airforce Applications	
FCC	FCC-A	FCC-A	
Ingress Protection	IPx5 on display front IPx5 on unit level with optional circular MIL connectors		
Signal Inputs	2 x DVI, VGA, HD-SDI, RS-232 or RS-422, USB, Ethernet		
Power	28 VDC or 115-220 VAC per MIL-STD-704E and MIL-STD-1275D guidelines		
Power Consumption	45 W typical (without heating)		
Weight	± 10 kg		
Options	LCD flicker compensation Touch screen Circular MIL connector interface		

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All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

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