

TL-354

21.3" Lightweight Display (1600 x 1200)

Naval Rugged Displays and Computing: Thin Rugged Displays



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

A perfect fit for legacy systems

Esterline's TL-354 offers a new generation upgrade solution for Esterline's 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.

Esterline'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	MIL-STD-167-1 Type 1
	AIRBORNE	2g MIL-E-5400T Fig.2, curve IIa (sheet 2 of 3)	5g MIL-E-5400T Fig.2, curve IIIa (sheet 2 of 3)
	RANDOM		MIL-STD-810F, Meth 514.5 Proc I, comp. wheeled vehicle (C2 & C3)
Shock	MIL-STD-810F Meth 516.5 30g - 12,5ms	MIL-STD-810F, Meth 514.5 30g - 12,5ms	MIL-S-901D Lightweight Grade A
Operational temperature	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	40.000ft (187 mbar)		40.000ft (187 mbar)
Rapid decompression		MIL-STD-810F, Meth 500.4 Proc III, 8.000ft to 40.000ft in 15s	
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 115-220VAC per MIL-STD-704E and MIL-STD1275D guidelines		
Power consumption	45 W typical (without heating)		
Weight	± 10kg		
Options	LCD flicker compensation Touch screen Circular MIL connector interface		

September 2018

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

Partnered Supplier

Esterline

sales@eylex.com.au
www.eylex.com.au

