

# TL-351

## 20" Thin Lightweight display (1600 x 1200)



The TL-351 is Barco's 20" thin and lightweight display offering significant benefits with respect to dimensions, ruggedization and intelligence. The TL display family combines unmatched thinness with exceptionally low weight to provide a unique, rugged display solution, especially for applications where space and weight are critical.

The TL-351 features a first-class 20" Active Matrix Liquid Crystal Display offering excellent performance in terms of brightness, crispness, contrast and viewing angle. Several options and bezel configurations are available to address virtually any mounting need in any application. Additionally, the TL-351 combines this high level of performance and versatility with a very competitive price/performance value.

Barco's TL displays have been designed and qualified for application in the most hostile environments. Next to the standard ruggedization level, Barco offers its TL displays with two extra ruggedization levels, which are suited for specific naval combat, army and airborne applications.

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Visibly yours

# Technical specifications

Panel size	20.1"			
Resolution	1600x1200 (UXGA)			
Brightness	Typical 200 cd/m <sup>2</sup> (58 fL)			
Contrast ratio	500:1			
Vibration		<b>Standard</b>	<b>Level I</b>	<b>Level II</b>
	<b>SHIPS</b>	MIL-STD-167-1 Type 1	MIL-STD-167-1 Type 1	
	<b>AIRBORN</b>	2gMIL-E-5400T Fig.2, curve IIa (sheet 2 of 3)	2gMIL-E-5400T Fig.3, curve IIa (sheet 2 of 3)	5gMIL-E-5400T Fig.3, curve IIIa (sheet 2 of 3)
Shock	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	MIL-STD-810	MIL-STD-901D	MIL-STD-810	
	Meth. 516.2	Lightweight	Meth. 516.2	
	30g - 12.5ms Half sine - X,Y,Z axis	Grade A	40g - 16ms half sine	
Operational temperature	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	Low temp: 0°C	Low temp: -25°C	Low temp: -40°C	
	High temp: +50°C	High temp: +55°C	High temp: +55°C	
Storage temperature	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	Low temp: -40°C	Low temp: -40°C	Low temp: -40°C	
	High temp: +70°C	High temp: +70°C	High temp: +70°C	
Relative humidity	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	max. 95% @ 40°C	max. 95% @ 40°C	max. 95% @ 40°C	
Ingress protection	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	IP65 on console level	IP65 on unit level with optional military interface box	IP65 on unit level with optional military interface box	
Drip proof	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	MIL-STD-810Fmeth. 506.4 proc III			
Altitude low pressure	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	20000ft (425 mbar)	20000ft (425 mbar)	40000ft (187 mbar)	
EMI / EMC	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	MIL-STD-461 E - NAVY Applications	MIL-STD-461 E - NAVY Applications	MIL-STD-461 E - Navy fixed and Airforce Applications	
FCC	<b>Standard</b>	<b>Level I</b>	<b>Level II</b>	
	FCC-A	FCC-A	FCC-A	
Signal inputs	DVI-I, VGA			
RS-232 serial port	9 pin sub D			
Power	9W4 sub D			
Controls	UP / DOWN / SEL / QUIT / STANDBY In conjunction with OSD			
Indicators	Green 'Power' LED, Red 'Fault' LED			

<b>OSD</b>	On-Screen Display
<b>Power supply</b>	Standard 12V & 28V DC, Optional: 115-220V AC as external module
<b>Guidelines</b>	MIL-STD-704E
<b>Power consumption</b>	90 W
<b>Finishing</b>	Black RAL 9005
<b>MTRR</b>	Less than 30 minutes
<b>Scaling modes</b>	No scaling/full screen/keep aspect AutoSet, Automatic Phase Adjust (APA), Automatic Gain Control (AGC)
<b>Options</b>	LCD Flicker Compensation (special configuration) Low latency Touch screen