



## Product Specification

# 18" Industrial LCD Monitor



## Overview

This product is a high performance industrial flat panel monitor. It is designed as an operator interface device for continuous use under heavy duty conditions. It incorporates a high performance active matrix LCD panel, an optional touchscreen, and will directly connect to any standard analog VGA video signal. It is available in several mechanical configurations.

## Graphics/Video

Graphics interface via standard HD15M video cable, up to 50 feet remote from video source

Multisync to any VESA standard VGA video signal

Multiscan from 60 to 75 Hz refresh inclusive (non interlaced)

Maximum supported resolution 1280 x 1024 (native mode)

Active viewing area 18.1" diagonal in all modes

24 bit (16.7 million) color supported in any video mode

User screen image adjustment via rear access buttons

- Auto Adjust, 1 Step
- Brightness, Contrast
- Horizontal and Vertical Position
- Horizontal Width
- Settings stored in NVRAM, no software required

Viewing angle 170 degrees horizontal, 170 degrees vertical

Contrast Ratio 300:1

Brightness 240 nit

Response rate 15 mSec

Backlamp typical life - 50,000 hours replaceable

## Touchscreen

LSX18T family incorporates the Elo Touchsystems AccuTouch 5 wire resistive system

Interface via RS-232 Serial or USB port to host computer via standard cable

LSX18TC family incorporates the Dynapro/3M NFI capacitive system

Interface via RS-232 Serial port to host computer via standard cable

Emulates a traditional mouse, can be used concurrently with a mouse

## Power

This product requires a regulated external power source to provide power as follows:

+12 VDC 3.8 Amps Continuous

Output Line Regulation +/- .2% or better

Output Load Regulation +/- 5% or better

Connection is via 2 position screw terminal block on the rear of the product

## Mechanical

Overall front bezel size	16.2" H x 19.0" W (411mm x 483mm)
Rack Mount bezel size	15.72" H (EIA-9U) x 19.0" W (399mm x 483mm)
Front bezel thickness	.10" (2.5 mm)
Total Depth	3.7" w/recessed cable ways (94 mm)
Rear enclosure cut out	15.2" H x 17.9" W (386 x 455 mm)
Mounting	Panel mount with 14 mounting clips Rack mount with 8 side bezel holes
Weight	24 Pounds (10.9 Kg)

## Environmental

Operating temperature	0 - 50 C ambient, no active cooling devices required
Humidity range	5 - 90% non-condensing
Storage temperature	-10 - 60 C
Shock	30g 11mSec, all axes
Vibration	5 - 100 Hz, 1g, 12 m/Sec <sup>2</sup> , all axes

## Agency Approvals

UL and cUL Listed (ITE 1950)  
 CE Mark  
 NEMA 4/12 (front face and seals) 4X w/ Stainless option

## Ordering Information

Part Number	Description
LSX18	18.1" Flat Panel Monitor, 1280 X 1024 (SXGA) Resolution
LSX18T	18.1" Flat Panel Monitor w/ Resistive Touchscreen, Serial interface
LSX18T-HR	18.1" Flat Panel Monitor w/ Hard Resistive Touchscreen, Serial interface
LSX18T-U	18.1" Flat Panel Monitor w/ Resistive Touchscreen, USB interface
LSX18T-HR-U	18.1" Flat Panel Monitor w/ Hard Resistive Touchscreen, USB interface
LSX18TC	18.1" Flat Panel Monitor w/ Capacitive Touchscreen, Serial interface
LSX18-R	18.1" Flat Panel Monitor, 1280 X 1024 (SXGA) Resolution - 19" Rack Mount
LSX18T-R	18.1" Flat Panel Monitor w/ Resistive Touchscreen, Serial - 19" Rack Mount
LSX18T-R-HR	18.1" Flat Panel Monitor w/ Hard Resistive Touchscreen, Serial - 19" Rack Mount
LSX18T-R-U	18.1" Flat Panel Monitor w/ Resistive Touchscreen, USB - 19" Rack Mount
LSX18T-R-HR-U	18.1" Flat Panel Monitor w/ Hard Resistive Touchscreen, USB - 19" Rack Mount
LSX18TC-R	18.1" Flat Panel Monitor w/ Capacitive Touchscreen - 19" Rack Mount, Serial
LSX18-SS	18.1" Flat Panel Monitor, 1280 X 1024 (SXGA) Resolution – Stainless Bezel
LSX18T-SS	18.1" Flat Panel Monitor w/ Resistive Touchscreen, Serial – Stainless Bezel
LSX18T-SS-HR	18.1" Flat Panel Monitor w/ Hard Resistive Touchscreen, Serial – Stainless Bezel
LSX18T-SS-U	18.1" Flat Panel Monitor w/ Resistive Touchscreen, USB - Stainless
LSX18T-SS-HR-U	18.1" Flat Panel Monitor w/ Hard Resistive Touchscreen, USB - Stainless
LSX18TC-SS	18.1" Flat Panel Monitor w/ Capacitive Touchscreen – Stainless Bezel, Serial
-A	<i>Note: standard surface finish is 'clear', append -A to any part number for 'antiglare' finish</i>
PS100-LC	100 Watt DC Power Supply
VCBL10	10 Foot (3 Meter) Video Cable
SCBL10	10 Foot (3 Meter) Serial Touchscreen Cable
UCBL10	10 Foot (3 Meter) USB Touchscreen Cable

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