



Features

- Direct PC interface
- 19 in flat panel monitor
- Arm or stand mounting w/100 mm VESA pattern
- Touchscreen options
- VGA or NTSC connect ready

Function

This product is a high-performance industrial LCD monitor. It is designed for rapid integration into a wide variety of arm and stand mount mechanical configurations. It incorporates a high-performance active matrix LCD panel, an optional touchscreen internal video controller, and on screen menu pushbuttons. The innovative design allows a wide range of video inputs.

Technical data

Graphics/Video	
Video input	15-pin VGA Optional interface to NTSC (camera, live video) via standard BNC connector
Resolutions	1600 x 1200 (native mode), 1280 x 1024, 1024 x 768, 800 x 600, 640 x 480
Active viewing area	19.0 in diagonal
Color depth	24 bit (16.7 M) color supported in any video mode
Viewing angle	160° horizontal, 160° vertical (very wide view)
Contrast ratio	600:1
Brightness	300 nit
Response rate	15 ms
Back lamp life	50,000 hrs typical half life, replaceable
Touchscreen	
System	Elo TouchSystems AccuTouch, 5-wire resistive system
Connection	RS-232 serial or USB port to host computer via standard cable
Supply	
Power	+12 VDC @ 3.2 A continuous*
Line regulation	+/- 0.2% or better
Load regulation	+/- 5% or better
Connection	Two-position screw terminal
Mechanical specifications	
Outer dimensions	411 mm x 483 mm x 94 mm (16.2 in x 19.0 in x 3.7 in)
Material / finish	Steel with matte black polyurethane enamel finish
Mounting	100 mm standard VESA hole pattern
Weight	10.7 kg (23.5 lb)
Protection degree	NEMA Type 12
Ambient conditions	
Operating temperature	0 °C to +45 °C ambient, no active cooling devices required
Storage temperature	-10 °C to +60 °C
Humidity	5 % to 90 % non-condensing
Shock resistance	30 g 11 ms, all axes
Vibration resistance	5 Hz to 100 Hz, 1g, 12 m/s², all axes
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
Low voltage	
Directive 73/23/EEC	EN60950
Data for application in conjunction with general-purpose areas	
Certification	cULus Listed, E185778
Supplementary information	
Statement of conformity, declaration of conformity, and instructions must be observed. For information, see www.pepperl-fuchs.com .	

*An external 12 VDC power supply is required as shown in the specifications. See page 2.

Ordering information

Pepperl+Fuchs Part Number	Reference Part Number (Christensen Display Products)	Description
DM519-N0-GP-EN-N0	LSX19-EN	19 in flat panel monitor – enclosed
DM519-A0-GP-EN-N0	LSX19-EN-A	19 in flat panel monitor – enclosed, antiglare
DM519-N0-GP-EN-NT	LSX19-EN-NTSC	19 in flat panel monitor – enclosed, NTSC input
DM519-A0-GP-EN-NT	LSX19-EN-NTSC-A	19 in flat panel monitor – enclosed, NTSC input, antiglare
DM519-TA-GP-EN-N0	LSX19T-EN-A	19 in flat panel monitor w/ resistive touchscreen – enclosed, antiglare
DM519-TH-GP-EN-N0	LSX19T-EN-HR-A	19 in flat panel monitor w/ hardened resistive touchscreen – enclosed, antiglare
Optional accessories		
PS100-LC	PS100-LC	Power supply
VCBL6*	VCBL6*	Video cable
SCBL6*	SCBL6*	Serial touchscreen cable
UCBL6*	UCBL6*	USB touchscreen cable
TSP19-5	TSP19-5	Touchscreen protector, (5) pack, DM519 series

* A wide selection of power supplies and cables in a variety of lengths are available. Contact Pepperl+Fuchs for more information.