



Features

- Direct PC interface
- 19 in flat panel monitor
- Panel or rack mount in general-purpose areas
- Touchscreen options
- Antiglare and stainless options

Function

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

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 bezel dimensions	411 mm x 483 mm (16.2 in x 19.0 in)
Rack mount bezel dimensions	399 mm x 483 mm (15.72 in x 19.0 in)
Front bezel thickness	2.5 mm (0.10 in)
Total depth	94 mm (3.7 in) w/recessed cable ways
Cut out dimensions	386 mm x 455 mm (15.2 in x 17.9 in)
Mounting	Panel or rack mount
Weight	10 kg (22 lb)
Protection degree	NEMA Type 4/12 (front face and seals), Type 4X w/ stainless option
Ambient conditions	
Operating temperature	0 °C to +50 °C ambient, no active cooling devices required
Storage temperature	-10 °C to +60 °C
Humidity	20 % to 85 % non-condensing
Shock resistance	30 g 6 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-N0-N0	LSX19	19 in flat panel monitor
DM519-A0-GP-N0-N0	LSX19-A	19 in flat panel monitor, antiglare
DM519-N0-GP-RM-N0	LSX19-R	19 in flat panel monitor – 19 in rack mount
DM519-A0-GP-RM-N0	LSX19-R-A	19 in flat panel monitor – 19 in rack mount, antiglare
DM519-N0-GP-SS-N0	LSX19-SS	19 in flat panel monitor – stainless
DM519-A0-GP-SS-N0	LSX19-SS-A	19 in flat panel monitor – stainless, antiglare
DM519-N0-GP-N0-NT	LSX19-NTSC	19 in flat panel monitor – NTSC input
DM519-A0-GP-N0-NT	LSX19-NTSC-A	19 in flat panel monitor – NTSC input, antiglare
DM519-N0-GP-RM-NT	LSX19-R-NTSC	19 in flat panel monitor – 19 in rack mount, NTSC input
DM519-A0-GP-RM-NT	LSX19-R-NTSC-A	19 in flat panel monitor – 19 in rack mount, NTSC input, antiglare
DM519-N0-GP-SS-NT	LSX19-SS-NTSC	19 in flat panel monitor – stainless, NTSC input
DM519-A0-GP-SS-NT	LSX19-SS-NTSC-A	19 in flat panel monitor – stainless, NTSC input, antiglare
DM519-TA-GP-N0-N0	LSX19T-A	19 in flat panel monitor w/ resistive touchscreen, antiglare
DM519-TH-GP-N0-N0	LSX19T-HR-A	19 in flat panel monitor w/ hardened resistive touchscreen, antiglare
DM519-TA-GP-RM-N0	LLSX19T-R-A	19 in flat panel monitor w/ resistive touchscreen – 19 in rack mount, antiglare
DM519-TH-GP-RM-N0	LLSX19T-R-HR-A	19.1 in flat panel monitor w/ hardened resistive touchscreen – 19 in rack mount, antiglare
DM519-TA-GP-SS-N0	LSX19T-SS-A	19 in flat panel monitor w/ resistive touchscreen, stainless, antiglare
DM519-TH-GP-SS-N0	LSX19T-SS-HR-A	19 in flat panel monitor w/ hardened resistive touchscreen, stainless, 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.