



Features

- Direct PC interface
- 19 in flat panel monitor
- Panel mount in Class I, Div. 2 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 hazardous locations where Class I, Division 2 certification is required. It incorporates a 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)
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 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/s ² , 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 hazardous areas	
Approved for	Class I, Division 2; Groups A, B, C, D; T4A temp code
Certification	cULus Listed, E190294
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-D2-N0-N0	LSX19-HZ	19 in flat panel monitor – Class I, Div 2
DM519-A0-D2-N0-N0	LSX19-HZ-A	19 in flat panel monitor – Class I, Div 2, antiglare
DM519-N0-D2-SS-N0	LSX19-HZ-SS	19 in flat panel monitor – Class I, Div 2, stainless
DM519-A0-D2-SS-N0	LSX19-HZ-SS-A	19 in flat panel monitor – Class I, Div 2, stainless, antiglare
DM519-N0-D2-N0-NT	LSX19-HZ-NTSC	19 in flat panel monitor – Class I, Div 2, NTSC input
DM519-A0-D2-N0-NT	LSX19-HZ-NTSC-A	19 in flat panel monitor – Class I, Div 2, NTSC input, antiglare
DM519-N0-D2-SS-NT	LSX19-HZ-SS-NTSC	19 in flat panel monitor – Class I, Div 2, stainless, NTSC input
DM519-A0-D2-SS-NT	LSX19-HZ-SS-NTSC-A	19 in flat panel monitor – Class I, Div 2, stainless, NTSC input, antiglare
DM519-TA-D2-N0-N0	LSX19T-HZ-A	19 in flat panel monitor w/ resistive touchscreen – Class I, Div 2, antiglare
DM519-TH-D2-N0-N0	LSX19T-HZ-HR-A	19 in flat panel monitor w/ hardened resistive touchscreen – Class I, Div 2, antiglare
DM519-TA-D2-SS-N0	LSX19T-HZ-SS-A	19 in flat panel monitor w/ resistive touchscreen – Class I, Div 2, stainless, antiglare
DM519-TH-D2-SS-N0	LSX19T-HZ-SS-HR-A	19 in flat panel monitor w/ hardened resistive touchscreen – Class I, Div 2, stainless, antiglare
Optional accessories		
PS75-HZ	PS75-HZ	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.