



## Features

- Direct PC interface
- 15 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<br>Optional interface to NTSC (camera, live video) via standard BNC connector |
| Resolutions                                                    | 1024 x 768 (native mode), 800 x 600, 640 x 480 text mode, SOG                            |
| Maximum resolution                                             | 1280 x 1024 @ 60 Hz                                                                      |
| Active viewing area                                            | 15.0 in diagonal                                                                         |
| Color depth                                                    | 24 bit (16.7 M) color supported in any video mode                                        |
| Viewing angle                                                  | 160° left/right, 140° up/down                                                            |
| Contrast ratio                                                 | 600:1                                                                                    |
| Brightness                                                     | 500 nit                                                                                  |
| Response rate                                                  | 18 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 @ 2.5 A continuous*                                                              |
| Line regulation                                                | +/- 0.2% or better                                                                       |
| Load regulation                                                | +/- 5% or better                                                                         |
| Connection                                                     | 180° 5-pin DIN                                                                           |
| Mechanical specifications                                      |                                                                                          |
| Outer dimensions                                               | 345 mm x 430 mm x 74 mm (13.6 in x 16.9 in x 2.9 in)                                     |
| Material / finish                                              | Steel with matte black polyurethane enamel finish                                        |
| Mounting                                                       | 100 mm standard VESA hole pattern                                                        |
| Weight                                                         | 6.4 kg (14.1 lb)                                                                         |
| Protection degree                                              | NEMA Type 12                                                                             |
| Ambient conditions                                             |                                                                                          |
| Operating temperature                                          | -10 °C to +50 °C ambient, no active cooling devices required                             |
| Storage temperature                                            | -20 °C to +80 °C                                                                         |
| Humidity                                                       | 5 % to 85 % non-condensing                                                               |
| Shock resistance                                               | 30 g 11 ms, all axes                                                                     |
| Vibration resistance                                           | 5 Hz to 100 Hz, 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](http://www.pepperl-fuchs.com).

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

| <b>Ordering information</b>      |                                                                 |                                                                                  |
|----------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>Pepperl+Fuchs Part Number</b> | <b>Reference Part Number<br/>(Christensen Display Products)</b> | <b>Description</b>                                                               |
| DM515-N0-GP-EN-N0                | LX15-EN                                                         | 15 in flat panel monitor – enclosed                                              |
| DM515-A0-GP-EN-N0                | LX15-EN-A                                                       | 15 in flat panel monitor – enclosed, antiglare                                   |
| DM515-N0-GP-EN-NT                | LX15-EN-NTSC                                                    | 15 in flat panel monitor – enclosed, NTSC input                                  |
| DM515-A0-GP-EN-NT                | LX15-EN-NTSC-A                                                  | 15 in flat panel monitor – enclosed, NTSC input, antiglare                       |
| DM515-T0-GP-EN-N0                | LX15T-EN                                                        | 15 in flat panel monitor w/ resistive touchscreen – enclosed                     |
| DM515-TA-GP-EN-N0                | LX15T-EN-A                                                      | 15 in flat panel monitor w/ resistive touchscreen – enclosed, antiglare          |
| DM515-TH-GP-EN-N0                | LX15T-EN-HR-A                                                   | 15 in flat panel monitor w/ hardened resistive touchscreen – enclosed, antiglare |
| <b>Optional accessories</b>      |                                                                 |                                                                                  |
| PS40D                            | PS40D                                                           | Power supply w/ connector                                                        |
| PSCBL6*                          | PSCBL6*                                                         | Power cable for customer provided power supply                                   |
| VCBL6*                           | VCBL6*                                                          | Video cable                                                                      |
| SCBL6*                           | SCBL6*                                                          | Serial touchscreen cable                                                         |
| UCBL6*                           | UCBL6*                                                          | USB touchscreen cable                                                            |
| TSP15-5                          | TSP15-5                                                         | Touchscreen protector, (5) pack, DM515 series                                    |

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