



SIMATIC IFP1900 FLAT PANEL 19" DISPLAY (16:9),  
W/O TOUCH,  
DISPLAY ONLY EXTENDED VERSION, MAX 30M,  
1366X768 PIXEL,  
FOR 24V DC AND 100-240V AC,  
DISPLAYPORT / DVI INTERFACE INCL. DVI/USB-CABLE  
1,8M

| General information                   |                                  |
|---------------------------------------|----------------------------------|
| Short designation                     | Flat Panel 19" display ext.      |
| Display                               |                                  |
| Screen diagonal                       | 18.5 in                          |
| Screen diagonal (cm)                  | 47 cm                            |
| Display width                         | 409.8 mm                         |
| Display height                        | 230.4 mm                         |
| Viewing angle                         | 170° x 160°                      |
| Type                                  | TFT                              |
| On Screen Display (OSD) configuration | No, can be set with the software |
| Number of colors (bit levels)         | 24 bit                           |
| Number of colors                      | 16777216                         |
| Resolution (pixels)                   |                                  |
| horizontal image resolution           | 1366                             |
| vertical image resolution             | 768                              |
| Resolution (WxH in pixel)             | 1366 x 768                       |
| Pixel size, horizontal                | 0.3 mm                           |
| Pixel size, vertical                  | 0.3 mm                           |
| General features                      |                                  |

|                                                              |                               |
|--------------------------------------------------------------|-------------------------------|
| non-reflective and tempered mineral glass screen             | Yes                           |
| Detachable from computer unit                                | 30 m                          |
| Brightness/contrast                                          | 300cd/m <sup>2</sup> / 1000:1 |
| Brightness, max.                                             | 300 cd/m <sup>2</sup>         |
| <b>Backlighting</b>                                          |                               |
| Backlighting (type)                                          | LED                           |
| MTBF backlighting (up to 50%, at 25 °C)                      | 50000 h ; At 25°C             |
| Backlight dimmable                                           | Yes ; 0-100 %                 |
| <b>Control elements</b>                                      |                               |
| Function keys                                                | No                            |
| <b>Mouse/cursor control</b>                                  |                               |
| external mouse                                               | USB                           |
| <b>Installation type/mounting</b>                            |                               |
| Built-in unit                                                | Yes ; Portrait mode possible  |
| permissible angle to the vertical backward (console)         | 35 °                          |
| permissible angle to the vertical forward (ceiling mounting) | 35 °                          |
| <b>Supply voltage</b>                                        |                               |
| Type of supply voltage                                       | DC                            |
| AC                                                           | Yes                           |
| DC                                                           | Yes                           |
| Rated value (DC)                                             | 24 V                          |
| permissible range, lower limit (DC)                          | 19.2 V                        |
| permissible range, upper limit (DC)                          | 28.8 V                        |
| Rated value (AC)                                             | 100 V ; Up to 240V 50/60Hz    |
| permissible range, lower limit (AC)                          | 90 V                          |
| permissible range, upper limit (AC)                          | 264 V                         |
| <b>Power loss</b>                                            |                               |
| <b>Power loss AC</b>                                         |                               |
| typical                                                      | 40 W                          |
| Maximum                                                      | 60 W                          |
| <b>Power loss DC</b>                                         |                               |
| typical                                                      | 40 W                          |
| Maximum                                                      | 65 W                          |
| <b>Interfaces</b>                                            |                               |
| USB on the rear                                              | 2                             |
| <b>Video interfaces</b>                                      |                               |
| DVI-D                                                        | Yes                           |
| Display port                                                 | Yes ; Display port V1.1       |

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| Touch interfaces                         |                                            |
| USB                                      | No                                         |
| Degree and class of protection           |                                            |
| IP65 at front                            | Yes                                        |
| Enclosure Type 4 at the front            | Yes                                        |
| NEMA4 at the front                       | No                                         |
| NEMA4X at the front                      | No                                         |
| IP20 rear                                | Yes                                        |
| Standards, approvals, certificates       |                                            |
| CE mark                                  | Yes                                        |
| KC approval                              | Yes                                        |
| cULus                                    | Yes ; Corresponds to UL 508                |
| RCM (former C-TICK)                      | Yes                                        |
| Use in hazardous areas                   |                                            |
| FM Class I Division 2                    | No                                         |
| Ambient conditions                       |                                            |
| Min. ambient temperature                 | 0 °C                                       |
| Max. ambient temperature                 | 45 °C ; Vertical installation (horizontal) |
| Storage/transport temperature            |                                            |
| min.                                     | -20 °C                                     |
| max.                                     | 60 °C                                      |
| Relative humidity                        |                                            |
| Relative humidity during operation       | 95 % ; Non-condensing                      |
| Vibrations                               |                                            |
| Vibration load in operation              | 1 g                                        |
| Vibration load during transport/storage  | 1 g                                        |
| Shock testing                            |                                            |
| Shock load during operation              | 15 g                                       |
| Shock load during transport/storage      | 15 g                                       |
| Connection method                        |                                            |
| Connector (IEC) for cold condititons     | Yes                                        |
| Mechanics/material                       |                                            |
| Type of housing (front)                  | aluminum                                   |
| Aluminum                                 | Yes                                        |
| Dimensions                               |                                            |
| Width of the housing front               | 483 mm                                     |
| Height of housing front                  | 337 mm                                     |
| Mounting cutout/device depth (W x H x D) |                                            |

|                                 |                           |
|---------------------------------|---------------------------|
| <b>Mounting cutout, width</b>   | 465 mm ; Tolerance: +1 mm |
| <b>Mounting cutout, height</b>  | 319 mm ; Tolerance: +1 mm |
| <b>Overall depth</b>            | 62.5 mm                   |
| <b>Weights</b>                  |                           |
| <b>Weight without packaging</b> | 5.5 kg                    |
| <b>Weight incl. packaging</b>   | 6.5 kg                    |
| Status                          | Jul 21, 2014              |