

SIMATIC IFP1900 Flat Panel 19" display (16: 9), Multitouch,  
Standard up to 5 m, 1366x 768 pixels, for 24 V DC, display port/DVI  
interface incl. DVI/USB cable 1.8 m



Figure similar

| General information                   |                                          |
|---------------------------------------|------------------------------------------|
| Product type designation              | IFP1900                                  |
| Short designation                     | Flat Panel 19" multi-touch               |
| Display                               |                                          |
| Design of display                     | TFT widescreen display, LED backlighting |
| Screen diagonal                       | 18.5 in                                  |
| Screen diagonal [cm]                  | 47 cm                                    |
| Display width                         | 409.8 mm                                 |
| Display height                        | 230.4 mm                                 |
| On Screen Display (OSD) configuration | No; Adjustable by means of software      |
| Number of colors                      | 16 777 216; 24 bit                       |
| Viewing angle                         | 170° x 160°                              |
| Resolution (pixels)                   |                                          |
| • Horizontal image resolution         | 1 366 Pixel                              |
| • Vertical image resolution           | 768 Pixel                                |
| • Pixel size, horizontal              | 0.3 mm                                   |
| • Pixel size, vertical                | 0.3 mm                                   |

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| <b>General features</b>                             |                                 |
| • Brightness/contrast                               | 300 cd/m <sup>2</sup> / 1 000:1 |
| • non-reflective and tempered mineral glass screen  | Yes                             |
| • Detachable from computer unit                     | 5 m                             |
| • Luminance                                         | 300 cd/m <sup>2</sup>           |
| <b>Backlighting</b>                                 |                                 |
| • Type of backlighting                              | LED                             |
| • MTBF backlighting (at 25 °C)                      | 50 000 h; At 25°C               |
| • Backlight dimmable                                | Yes; 0-100 %                    |
| <b>Control elements</b>                             |                                 |
| <b>Keyboard fonts</b>                               |                                 |
| • Function keys                                     | No                              |
| <b>Touch operation</b>                              |                                 |
| • Design as touch screen                            | Yes; Projective-capacitive      |
| • Monitor keyboard                                  | Yes                             |
| <b>Installation type/mounting</b>                   |                                 |
| Built-in unit                                       | Yes; Portrait mode possible     |
| maximum permitted forward tilt angle from vertical  | 35°                             |
| maximum permitted backward tilt angle from vertical | 35°                             |
| <b>Supply voltage</b>                               |                                 |
| Type of supply voltage                              | DC                              |
| Rated value (DC)                                    | 24 V; PELV                      |
| permissible range, lower limit (DC)                 | 19.2 V                          |
| permissible range, upper limit (DC)                 | 28.8 V                          |
| <b>Power loss</b>                                   |                                 |
| Power loss, typ.                                    | 40 W                            |
| Power loss, max.                                    | 65 W                            |
| <b>Interfaces</b>                                   |                                 |
| <b>Video interfaces</b>                             |                                 |
| • DVI-D                                             | Yes                             |
| • DisplayPort                                       | Yes; DisplayPort V1.1           |
| <b>Touch interfaces</b>                             |                                 |
| • USB                                               | Yes                             |
| <b>Degree and class of protection</b>               |                                 |
| IP (at the front)                                   |                                 |
| • IP65 at front                                     | Yes                             |
| IP (rear)                                           |                                 |
| • IP20 rear                                         | Yes                             |
| NEMA (front)                                        |                                 |

|                                  |     |
|----------------------------------|-----|
| • Enclosure Type 4 at the front  | Yes |
| • Enclosure Type 4x at the front | Yes |
| • Enclosure Type 12 at the front | Yes |
| • NEMA4 at the front             | No  |
| • NEMA4X at the front            | No  |

## Standards, approvals, certificates

|                                     |                            |
|-------------------------------------|----------------------------|
| CE mark                             | Yes                        |
| cULus                               | Yes; Corresponds to UL 508 |
| RCM (formerly C-TICK)               | Yes                        |
| KC approval                         | Yes                        |
| Use in hazardous areas              |                            |
| • ATEX Zone 2                       | Yes                        |
| • ATEX Zone 22                      | Yes                        |
| • FM Class I Division 2             | Yes                        |
| Marine approval                     |                            |
| • Germanischer Lloyd (GL)           | No                         |
| • American Bureau of Shipping (ABS) | No                         |
| • Bureau Veritas (BV)               | No                         |
| • Det Norske Veritas (DNV)          | No                         |
| • Lloyds Register of Shipping (LRS) | No                         |
| • Nippon Kaiji Kyokai (Class NK)    | No                         |

## Ambient conditions

|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| Ambient temperature during operation              |                                           |
| • min.                                            | 0 °C                                      |
| • max.                                            | 45 °C; Vertical installation (horizontal) |
| Ambient temperature during storage/transportation |                                           |
| • min.                                            | -20 °C                                    |
| • max.                                            | 60 °C                                     |
| Relative humidity                                 |                                           |
| • Operation, max.                                 | 95 %; no condensation                     |
| Vibrations                                        |                                           |
| • Vibration load in operation                     | 10 m/s <sup>2</sup>                       |
| • Vibration load during transport/storage         | 10 m/s <sup>2</sup>                       |
| Shock testing                                     |                                           |
| • Shock load during operation                     | 150 m/s <sup>2</sup>                      |
| • Shock load during transport/storage             | 150 m/s <sup>2</sup>                      |

## Mechanics/material

|                            |     |
|----------------------------|-----|
| Enclosure material (front) |     |
| • Glass                    | Yes |

## Dimensions

|                            |                          |
|----------------------------|--------------------------|
| Width of the housing front | 483 mm                   |
| Height of housing front    | 337 mm                   |
| Mounting cutout, width     | 465 mm; Tolerance: +1 mm |
| Mounting cutout, height    | 319 mm; Tolerance: +1 mm |
| Overall depth              | 62.5 mm                  |

## Weights

|                          |        |
|--------------------------|--------|
| Weight without packaging | 5.5 kg |
| Weight incl. packaging   | 6.5 kg |

**last modified:** 03/14/2020