

# IPM-8V

## TFT-monitor 8,4" panel mounting



### Overview

- TFT / LCD monitor for frontpanel mounting
- Screen diagonal 8,4"
- Connections VGA, optional DVI
- Optional video input
- Optional resistive touchscreen
- Frontplate with backside threaded bolts.
- Customization possible

### Description

The industrial panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived.

Mounting on rear side with threaded bolts in the front panel, so a flat front is maintained.

The robust case enables use in the toughest environments in 24-hour operation. The power supply of the monitors is 12VDC external power supply incl wide-range 90-260VAC and analog VGA / DVI-D input.

The monitors have a resolution of 800x600. Optionally, a resistive touch screen can be integrated.

### Technical data

#### Overview:

Industrial TFT monitor for mounting in control panel, control desk or control cabinet doors

#### Interfaces:

HD-SUB15 for analog graphics card and DVI

#### Resolution:

800x600 pixel

#### Adjustments:

via on-screen-menu

#### Brightness:

min. 350 cd/qm

#### Power supply:

12VDC incl. external power adapter  
wide range 90-260VAC.

#### MTBF:

Backlights min. 35000h

#### Mechanical dimensions:

Case: 212 x 166 x 56 mm (W x H x D) (+40mm for 240VAC)

Frontplate: 236 x 184 x 3mm

#### Material:

Frontplate: aluminium anodized or RAL9005 powder-coated,  
anti-glare protective glass  
Case: aluminium

#### Ambient conditions:

Operating temperature 0-50°C

Storage temperature 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### Protective class:

Front IP 65

#### Norms:

### Part number

10050364	IPM-8V 8,4" panel monitor VGA
10050511	Option 24VDC
10050503	Option video input BNC

# IPM-8W

## TFT-monitor 8,4" panel mounting



### Overview

- TFT / LCD monitor for frontpanel mounting
- Screen diagonal 8,4"
- Connections VGA, optional DVI
- Optional video input
- Optional resistive touchscreen
- Frontplate with backside threaded bolts.
- Customization possible

### Description

The industrial panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived.

Mounting on rear side with threaded bolts in the front panel, so a flat front is maintained.

The robust case enables use in the toughest environments in 24-hour operation. The power supply of the monitors is 12VDC external power supply incl wide-range 90-260VAC and analog VGA / DVI-D input.

The monitors have a resolution of 800x600. Optionally, a resistive touch screen can be integrated.

### Technical data

#### Overview:

Industrial TFT monitor for mounting in control panel, control desk or control cabinet doors

#### Interfaces:

HD-SUB15 for analog graphics card and DVI

#### Resolution:

800x600 pixel

#### Adjustments:

via on-screen-menu

#### Brightness:

min. 350 cd/qm

#### Power supply:

12VDC incl. external power adapter  
wide range 90-260VAC.

#### MTBF:

Backlights min. 35000h

#### Mechanical dimensions:

Case: 216 x 173 x 59 mm (W x H x D)

Frontplate: 230 x 200 x 4mm

#### Material:

Frontplate: aluminium anodized or RAL9005  
powder-coated,  
anti-glare protective glass  
Case: aluminium

#### Ambient conditions:

Operating temperature 0-50°C

Storage temperature 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### Protective class:

Front IP 65

#### Norms:

EN55022 EN55024 EN61010-1

### Part number

10050328	IPM-8W 8,4" panel monitor VGA
10050511	Option 24VDC
10050503	Option video input BNC

# IPM-12

## TFT-monitor 12" panel mount



### Overview

- TFT / LCD monitor for front panel mounting
- Screen diagonal 12"
- Connections RGB analog and DVI
- Optional video input
- Optional resistive touchscreen
- Long term availability
- Frontplate with threaded bolts and different colors possible
- Customization possible

### Description

The industrial panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived.

Mounting on rear side with threaded bolts in the front panel, so a flat front is maintained.

The robust case enables use in the toughest environments in the 24-hour operation.

The standard devices have a 230 VAC power supply and an analog VGA and DVI input.

Optionally available with 12VDC/24VDC and video input.

Also possible as an option with integrated resistive touch.

### Technical data

#### Overview:

Industrial TFT monitor for mounting in control panel, control desk or control cabinet doors.

#### Interfaces:

HD-SUB15 analog RGB, DVI optional video input

#### Resolution:

800x600

#### Adjustments:

via on-screen-menu

#### Brightness:

min. 300 cd/qm

#### Contrast:

500:1

#### Power supply:

internal 12 VDC widerange

#### MTBF:

Backlights min. 35000h

#### Control elements:

Touchscreen resistiv (option)

#### Mechanical dimension:

Case: 300 x 280 x 55 mm

Frontplate : 340 x 280 x 4 mm

#### Material:

Frontplate: aluminium anodized optional powder-coated RAL7035, anti-glare protective glass

Case: Steel

#### Ambient conditions:

Betriebstemperature 0-50°C

Lagertemperature 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### Protective class:

Front IP 65

#### Norms:

EN55022 EN55024 EN61010-1

### Part number

10050323	IPM-12, 12" panel monitor
10050511	option 24 VDC
10050504	option Touchscreen 12" USB

# IPM-15

## TFT-monitor 15" panel mounting



### Overview

- TFT / LCD monitor for front panel mounting
- Screen diagonal 15", wideangle 178°
- Connections RGB analog and HDMI
- Optional video input
- Optional resistive touchscreen
- Long term availability
- Frontplate with threaded bolts and different colors possible
- Customization possible

### Description

The industry panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived. Mounting on rear side bolts in the front panel, so a flat front is maintained. The robust case enables use in the toughest environments in the 24-hour operation. The standard devices have are connected to power supply 230VAC or 9-36VDC via pheonix-pins and an analog VGA and HDMI input. Also possible as an option with integrated resistive touch.

### Technical data

#### Overview:

Industrial TFT monitor for mounting in control panel, control desk or control cabinet doors.

#### Interfaces:

HD-SUB15 analog RGB, HDMI

#### Resolution:

1024x768

#### Adjustments:

via on-screen-menu

#### Brightness:

min. 350 cd/qm

#### Contrast:

1000:1

#### Power supply:

115/230VAC, optional 9-36VDC

#### MTBF:

Backlights min. 50000h

#### Control elements:

Touchscreen resistiv (option)

#### Mechanical dimension:

Case: 345 x 292 x 58 mm

Frontplate: 400 x 330 x 4 mm

Frontplate: 380 x 330 x 4mm

#### Material:

Frontplate: aluminium anozides or powder-coated RAL7035, different colors on request, anti-glare protective glass

Case: Steel

#### Ambient conditions:

Betriebstemperature 0-50°C

Lagertemperature 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### Protective class:

Front IP 65

#### Norms:

### Part number

10050422	IPM-15 panel monitor, FP 400x330mm
10050423	IPM-15 panel monitor, FP 380x330mm
10050534	Option touchscreen 15" USB
10050532	Option 9-36VDC

# IPM-17

## TFT-monitor 17" panel mount



### Overview

- TFT / LCD monitor for front panel mounting
- Screen diagonal 17"
- Connections RGB analog and DVI
- Optional video input
- Optional resistive touchscreen
- Long term availability
- Frontplate with threaded bolts and different colors possible
- Customization possible

### Description

The industrial panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived.

Mounting on rear side with threaded bolts in the front panel, so a flat front is maintained.

The robust case enables use in the toughest environments in the 24-hour operation.

The standard devices have a 230 VAC power supply and an analog VGA and DVI input.

Optionally available with 12VDC/24VDC and video input.

Also possible as an option with integrated resistive touch.

### Technical data

#### **Overview:**

Industrial TFT monitor for mounting in control panel, control desk or control cabinet doors.

#### **Interfaces:**

HD-SUB15 analog RGB, DVI  
optional video input

#### **Resolution:**

1280x1024

#### **Adjustments:**

via on-screen-menu

#### **Brightness:**

min. 300 cd/qm

#### **Contrast:**

1000:1

#### **Power supply:**

115/230VAC, optional 12 or 24 VDC

#### **MTBF:**

Backlights min. 35000h

#### **Control elements:**

Touchscreen resistiv (option)

#### **Mechanical dimension:**

Case: 397 x 338 x 60 mm

Frontplate : 420 x 380 x 4 mm

#### **Material:**

Frontplate: aluminium anodized optional powder-coated RAL7035, anti-glare protective glass

Case: Steel

#### **Ambient conditions:**

Betriebstemperature 0-50°C

Lagertemperature 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### **Protective class:**

Front IP 65

#### **Norms:**

EN55022 EN55024 EN61010-1

### Part number

10050325	IPM-17, 17" panelmonitor
10050312	IPM-17T Panelmonitor with resistive Touchscreen
10050507	option Touchscreen 17"RS232

# IPM-19

## TFT-monitor 19" panel mounting



### Overview

- TFT / LCD monitor for front panel mounting
- Screen diagonal 19", wideangle 178°
- Connections RGB analog and HDMI
- Optional video input
- Optional resistive touchscreen
- Long term availability
- Frontplate with threaded bolts and different colors possible
- Customization possible

### Description

The industry panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived. Mounting on rear side bolts in the front panel, so a flat front is maintained. The robust case enables use in the toughest environments in the 24-hour operation. The standard devices have are connected to power supply 230VAC or 9-36VDC via pheonix-pins and an analog VGA and HDMI input. Also possible as an option with integrated resistive touch.

### Technical data

#### Overview:

Industrial TFT monitor for mounting in control panel, control desk or control cabinet doors.

#### Interfaces:

HD-SUB15 analog RGB, HDMI

#### Resolution:

1280 x 1024

#### Adjustments:

via on-screen-menu

#### Brightness:

min. 250 cd/qm

#### Contrast:

1000:1

#### Power supply:

115/230VAC, optional 9-36VDC

#### MTBF:

Backlights min. 50000h

#### Control elements:

Touchscreen resistiv (option)

#### Mechanical dimension:

Case: 422 x 348 x 60 mm

case with angle: 442 x 370 x 60mm

Frontplate: 480 x 408 x 4 mm

Frontplate: 460 x 410 x 4mm

#### Material:

Frontplate: aluminium anozides or powder-coated RAL7035, different colors on request, anti-glare protective glass

Case: Steel

#### Ambient conditions:

Betriebstemperature 0-50°C

Lagertemperature 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### Protective class:

Front IP 65

### Part number

10050426	IPM-19 panel monitor, FP 480x408mm
10050427	IPM-19 panel monitor, FP 460x410mm
10050533	Option touchscreen 19" USB
10050532	Option 9-36VDC

# IPM-21

## TFT-monitor 21,5" panel mount



### Overview

- TFT / LCD monitor for front panel mounting
- Screen diagonal 21,5", widescreen 16:9
- Connections RGB analog and DVI
- Optional video input
- Optional resistive touchscreen
- Frontplate with backside threaded bolts
- Customization possible

### Description

The industry panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived.

Mounting on rear side with threaded bolts in the front panel, so a flat front is maintained.

The robust case enables use in the toughest environments in 24-hour operation.

The standard devices have a 230 VAC power supply and an analog VGA and DVI input.

Optionally available with 12VDC/24VDC and video input.

Also possible as an option with integrated resistive touch.

### Technical data

#### Overview:

Industrial TFT monitor for mounting in control panel / desk or control cabinet doors

#### Interfaces:

HD-SUB15 analog RGB, DVI  
optional video input

#### Resolution:

1920x1080 "widescreen"

#### Adjustments:

via on-screen-menu

#### Brightness:

min. 300 cd/qm

#### Contrast:

1000:1

#### Power supply:

230VAC, optional 12 or 24VDC

#### MTBF:

Backlights min. 50000h

#### Control elements:

Touchscreen resistiv (option)

#### Mechanical dimensions

Case: about. 550 x 334 x 63mm

Frontplate: about 572 x 387 x 4 mm

#### Material:

Frontplate: aluminium anodized or powder-coated  
RAL7035,

anti-glare protective glass

Case: Steel

#### Ambient conditions:

Operating temperature 0-45°C

Storage temperatur 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### Protective class:

Front IP 65

#### Norms:

EN55022 EN55024 EN61010-1

### Part number

10050318	IPM-21, 21,5" Panel monitor
10050317	IPM-21T panelmonitor with touchscreen

# IPM-24

## TFT-monitor 24" panel mount



### Overview

- TFT / LCD monitor for front panel mounting
- Screen diagonal 24"
- Connections RGB analog and DVI
- Optional video input
- Optional resistive touchscreen
- Frontplate with backside threaded bolts
- Customization possible

### Description

The industrial panelmonitors of the IPM serie are specifically suitable for use in control panels, control desk and control cabinet doors conceived.

Mounting on rear side bolts in the front panel, so a flat front is maintained.

The robust case enables use in the toughest environments in the 24-hour operation.

The standard devices have a 230 VAC power supply and an analog VGA and DVI input.

Optionally available with 12VDC/24VDC and video input.

Also possible as an option with integrated resistive touch.

### Technical data

#### Overview:

Industrial TFT monitor for mounting in control panel / desk or control cabinet doors

#### Interfaces:

HD-SUB15 analog RGB, DVI  
optional video input

#### Resolution:

1920x1080 "widescreen"

#### Adjustments:

via on-screen-menu

#### Brightness:

min. 300 cd/qm

#### Contrast:

1000:1

#### Power supply:

230VAC, optional 12 or 24VDC

#### MTBF:

Backlights min. 50000h

#### Control elements:

Touchscreen resistiv (option)

#### Mechanical dimensions

Case: about. 579 x 373 x 61mm

Frontplate: about 620 x 415 x 4 mm

#### Material:

Frontplate: aluminium anodized,  
anti-glare protective glass

Case: Steel

#### environmental conditions:

Operating temperature 0-45°C

Storage temperatur 0-65°C

Humidity: 10 - 80 % rel. humidity, not condensing

#### Protective class:

Front IP 65

#### Norms:

EN55022 EN55024 EN61010-1

### Part number

10050319	IPM-24, 24" Panel monitor
10050357	IPM-24T panlemonitor with Touchscreen