

Display

## TFT/PANxxxIS Series

Infrared touch panel display

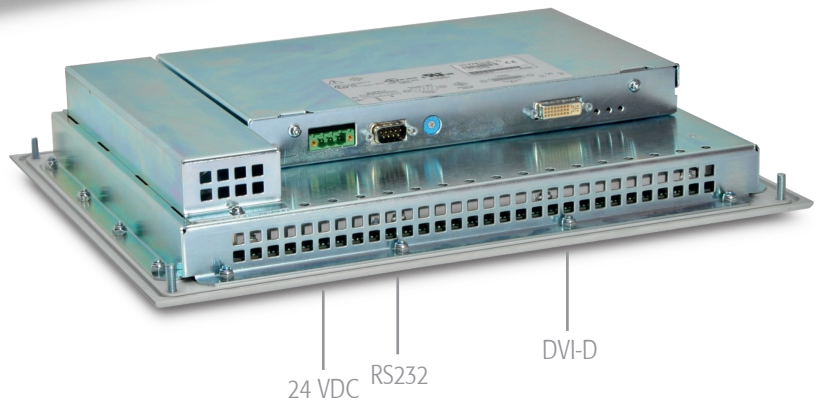


- Infrared touch
- Safety glass
- IP65 front

## TFT/PANxxxIS-F1

A robust industrial touch panel display with a 7.5, 10.4, 12.1, 15 or 19 inch display, infrared touch and chemical resistant front. This version comes with a standard DVI and RS232 Serial connection for the mouse compatible IR touch signal. The fan less devices are well suited for heavy industrial use. Designed with IP65 protection at the front.

- 24/7 continuous operation
- Maintenance free
- Scratch and break resistant safety glass
- Rugged and no moving parts
- ATEX zone 22



 Windows Embedded Standard

 Windows Embedded CE 6.0



### Product Highlights

Single link DVI-D  
24V power supply  
RS232 touch interface  
ESD-protection on all interfaces  
Long term available

### Product Feature

10.4, 12.1, 15 or 19 inch display  
Infrared touch technology  
Scratch and break resistant safety glass  
Brightness control (Software)  
No active cooling required

### Markets / Applications

Industrial Automation  
Cleantech  
Railway industry  
Transportation and vehicle construction  
PLC replacement  
Maritime

	Order Code	TFT/PAN104IS-F1	TFT/PAN121IS-F1	TFT/PAN150IS-F1	TFT/PAN190IS-F1
<b>TFT Display</b>					
Screen size [inch]		10.4	12.1	15	19
Resolution [pixel]		800 x 600 (SVGA)	800 x 600 (SVGA)	1024 x 768 (XGA)	1280 x 1024 (SXGA)
Brightness [cd/m <sup>2</sup> ]		400	450	400	250
Brightness 450...1000 cd/m <sup>2</sup> <sup>1</sup>		optional	optional	optional	optional
Contrast ratio 450:1		•	•	•	•
Viewing angle		H-120° V-90°	H-130° V-110°	H-140° V-110°	H-140° V-110°
Color performance 256k		•	•	•	•
<b>Touch Screen</b>					
Infrared touch technology		•	•	•	•
Scratch and break resistant		•	•	•	•
Transmittance >90%		•	•	•	•
<b>Peripherals</b>					
Single Link Digital-Video-Interface (DVI-D)		•	•	•	•
Software brightness control		•	•	•	•
<b>Communication Interfaces</b>					
RS232 ESD protected (DSUB9)		•	•	•	•
<b>Technical Data</b>					
Dimensions W x H x D [mm]		345 x 260 x 63	361 x 279 x 63	427 x 332 x 63	512 x 420 x 69
Net weight [gram]		4200	4700	6100	9000
Input Voltage 20...30VDC non-isolated		•	•	•	•
Current consumption typ. [mA] @ 24V without Add-Ins		416	833	958	1208
Power consumption typ. [Watt] @ 24V without Add-Ins		10	20	23	29
<b>Environmental Conditions</b>					
Operating temperature (ambient) 0°C to +50°C		•	•	•	•
Extended operating temperature (ambient) -30°C to +70°C <sup>1</sup>		opt	opt	opt	opt
Storage temperature -30°C to +80°C <sup>1</sup>		opt	opt	opt	opt
Humidity 20 to 90% non condensing		•	•	•	•
Protection standard IP65 front   IP20 rear		•	•	•	•
Shock: designed to meet EN60068-2-6		•	•	•	•
Vibration: designed to meet EN60068-2-27		•	•	•	•
EMI Conformity EN-55022/55024/61000-6-2/61000-6-4		•	•	•	•
MTBF ~200 000h (22.8 years) <sup>1</sup> <small>excluding display</small>		•	•	•	•

<sup>1</sup> Please contact factory for minimum order quantities

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

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