

# Touch panel - TP 3121T PB - 2700922

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Touch panel with 30.7 cm (12.1") graphics-capable TFT display, 65,535 colors, 800 x 600 pixels, 1 x Ethernet, 1 x PROFIBUS DP, 2 x USB, and integrated runtime of the Visu+ visualization software.

## Why buy this product

- Easy installation, low installation depth, and compact design
- Short startup time
- Visu+ RT and AX OPC server integrated as standard in all devices
- Display available in sizes from 14.5 cm (5.7") to 30.7 cm (12")
- Can be extended with external CF card
- Can be extended with external CF card
- Energy efficient due to LED backlighting



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 585644
Weight per Piece (excluding packing)	3330.0 g
Custom tariff number	84714100
Country of origin	Germany

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

External dimension, width	340 mm
External dimension, height	270 mm
External dimension, depth	5 mm
Note regarding external dimension	Dimensions of the front plate
Installation dimension, width	315 mm

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## Technical data

### Dimensions

Installation dimension, height	243.5 mm
Installation dimension, depth	60 mm
Note regarding installation dimension	65 mm, approximately with fieldbus interface

### Display

Display	30.7 cm/12.1" TFT
Resolution	800 x 600 Pixel (SVGA)
Backlighting	LED
Display backlight MTBF	50000 h
Touch screen	Resistive industrial touch screen
Colors	65,536 colors

### Computer data

Processor	Xscale® PXA320, 806 MHz
RAM	128 MB SDRAM
Mass storage	1 GB Flash
Interfaces	2x USB Host 1.1, 1x Compact Flash®
Optional interfaces	1x CF card, type I and II
Network	1 x Ethernet (10/100 Mbps), RJ45
Operating systems	Windows CE 6.0
Power supply unit	24 V DC ±20%
Power consumption	16.8 VA

### General

Mounting type	Installation in front plate
Weight	2500 g

### Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	20 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	DIN EN 60068-2-27

### Classifications

#### eCl@ss

eCl@ss 4.0	27330202
eCl@ss 4.1	27330202
eCl@ss 5.0	27242215
eCl@ss 5.1	27242304

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## Classifications

### eCl@ss

eCl@ss 6.0	27242301
eCl@ss 7.0	27242301
eCl@ss 8.0	27242302

### ETIM

ETIM 3.0	EC001426
ETIM 4.0	EC001414
ETIM 5.0	EC001414

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43211903
UNSPSC 13.2	43201404

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

UL Listed
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cUL Listed
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EAC
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## Approvals

cULus Listed 

## Accessories

### Accessories

#### Battery module

Battery - HMI BATTERY - 2701383

CMOS battery



## Mounting material

Mounting kit - HMI WALL MOUNTING KIT - 2701380

HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.



Mounting kit - HMI SCB MOUNTING KIT 4 - 2701384



HMI mounting kit for installation on a front plate. The mounting kit includes 4 x mounting brackets, 4 x screw threads, and a hexagonal wrench.

Mounting kit - HMI SCB MOUNTING KIT 6 - 2701385



HMI mounting kit for installation on a front plate. The mounting kit includes 6 x mounting brackets, 6 x screw threads, and a hexagonal wrench.

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### Accessories

Mounting kit - HMI SCB MOUNTING KIT 8 - 2701387



HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

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### Operating stylus

Touch pen - TOUCH PEN - 2701379



Touch pen for HMIs, silver coated. Delivery includes self-adhesive pen holder.

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### Parameterization memory

Memory - CF FLASH 256MB - 2988780



Program and configuration memory, plug-in, 256 MB

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### Protective foil

Protective foil - 12,1" DISPLAY PROTECTIVE FOIL - 2701377



Protective film set comprising 10 pieces of film for a 12.1" display. Including a squeegee to apply film and instructions.

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### Storage medium

USB memory stick - 2 GB USB STICK - 2701382



USB memory stick, 2 GB.

