

*** SPARE PART*** SIMATIC TOUCH PANEL TP170 MICRO FOR
SIMATIC S7-200 5.7" BLUE MODE STN DISPLAY CONFIGURABLE
WITH WINCC FLEXIBLE 2004 MICRO



Display	
Design of display	STN
Screen diagonal	5.7 in
Color display	No
Number of colors	4; Blue levels
Resolution (pixels)	
• Horizontal image resolution	320 Pixel
• Vertical image resolution	240 Pixel
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Control elements	Touch screen
Keyboard fonts	
• Function keys	No
• System keys	No
— Number of system keys	0
• alphanumeric keyboard	Yes
• hexadecimal keyboard	Yes

• Multi-key operation	No
Touch operation	
• Design as touch screen	Yes; analog, resistive
Connection type	
• Connection for mouse/keyboard/barcode reader	- / - / -
Installation type/mounting	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	35°
Input current	
Current consumption (rated value)	0.24 A
Starting current inrush I _t	0.5 A ² ·s
Power	
Active power input, typ.	6 W
Processor	
Processor type	RISC 32-bit
Memory	
Type of memory	Flash / RAM
Memory available for user data	256 kbyte
Time of day	
Clock	
• Type	Software clock, no battery backup
• retentive	No
• synchronizable	No
Interfaces	
Interfaces/bus type	1 x RS485 (max. 187.5 kbit/s)
Number of RS 485 interfaces	1
• Transmission rate, max.	187.5 kbit/s
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
Certifications	CE, FM Class I Div. 2, UL, CSA, cULus, C-TICK
cULus	Yes
EAC (formerly Gost-R)	No
Use in hazardous areas	
• ATEX Zone 2	No
• ATEX Zone 22	No

- FM Class I Division 2

Yes

Ambient conditions

Ambient temperature during storage/transportation

- min. -20 °C
- max. 60 °C

Relative humidity

- Operation, max. 90 %

Operating systems

pre-installed operating system Windows CE

Configuration

Configuration software

- Configuration tool WinCC flexible Micro Version 2004 or higher (to be ordered separately)

Languages

Online languages

- Number of online/runtime languages 5

Project languages

- Languages per project 32

Functionality under WinCC (TIA Portal)

Libraries Yes

Task planner No

Help system No

- Number of characters per info text 0
- Number of tooltips 0

Message system

- Number of alarm classes 32
- Number of messages 500
- Bit messages Yes
 - Number of bit messages 500
- Analog messages No
 - Number of analog messages 0
- Telegram message procedure Alarm S No
- System messages HMI Yes
- System messages PLC No
- System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) No
- Lines 1
- Number of characters per message 80
- Number of process values per message 8
- Acknowledgment groups Yes

• Message indicator	No
• acoustic feedback	No
• First/last value	Yes
Variables	
• Number of variables per device	250
• Number of variables per screen	20
• Limit values	Yes
• Multiplexing	No
• Structures	No
Images	
• Number of configurable images	250
• Permanent window/default	Yes
• Start screen configurable	Yes
• Image selection by PLC	No
• Image number in the PLC	No
Image objects	
• Text objects	500 text elements
• Number of I/O fields per image	20
• Number of date/time fields	0
• Index of screen context	No
• Return	No
• Graphics object	Bit maps, icons, icon (full-screen)
— Icons	500
— Icon (full screen)	1
Complex image objects	
• Status/control	Not possible
• dynamic objects	Bar graphs
• Bar graphs	
— Number of bars per chart	5
• Sliders	
— Number of slides per image	0
• Pointer instruments	
— Number of analog indicators per image	0
• Limit value lines	Yes
• Number of alphanumerical fields	0
— alphanumeric fields per image	0
• Number of numerical fields	0
— numerical fields per image	0
• Number of password fields	0
• Number of visible switches per project	0
— visible switches per image	0

— hidden switches per image	0
• Number of status switches per project	0
— Number of status switches per image	0
• Number of selector switches per project	0
— Selector switches per image	0
• Number of decade switches per project	0
— Decade switches per image	0
• Number of signal lamps per project	0
— Signal lamps per image	0
Attributes for dynamic objects	
• Color change	No
• X/Y movement	No
• Hide	Yes
• Angle of rotation	No
Lists	
• Number of text lists per project	0
• Number of graphics lists per project	0
Security	
• Number of users	1
• Password export/import	No
Transfer (upload/download)	
• Transfer of configuration	serial
Process coupling	
• Connection to controller	for S7-200, see section on "System interfaces"
• S7-200	Yes
— PPI (point-to-point)	Yes
— PPI network	Yes
— MPI	Yes
— PROFIBUS DP	No
• S7-300/400	No
— MPI	No
— PROFIBUS DP	No
— PROFINET	No
• S5	No
— serial	No
— PROFIBUS DP	No
• TI 505	No
• Allen Bradley (DF1)	No
• Allen Bradley (DF485)	No
• Mitsubishi (FX)	No
• Mitsubishi (MP4)	No

• Telemecanique (ADJUST)	No
• Telemecanique (Uni-Telway)	No
• OMRON (LINK/Multilink)	No
• Modicon (Modbus)	No
• GE-Fanuc (SNP)	No
Functions	
• Key repeat	No
• TAB sequence	Yes
• Calculating functions	Yes
• Animate	No
• Menu tree editor	No
• Unit switchover	No
Service tools/configuration aids	
• Clean screen	Yes
• Touch calibration	Yes
• Backup/Restore manually	Yes
• Simulation	No
• Device switchover	Yes
• Delta transfer	No
• Monitoring function for battery and memory	No
• Trace (operation archive)	No
Expandability/openness	
• Open Platform Program	No
Dimensions	
Width of the housing front	212 mm
Height of housing front	156 mm
Overall depth	45 mm
Weights	
Weight (without packaging)	0.75 kg
Other	
free hotline	Yes
Warranty period	1 y
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