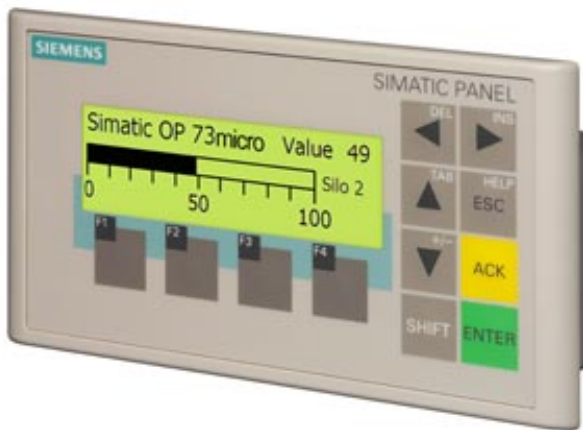


SIMATIC OPERATOR PANEL OP 73MICRO FOR SIMATIC S7-200 3" LC DISPLAY, BACKLIT WITH GRAPHICS CAPABILITY CONFIGURABLE WINCC FLEXIBLE 2004 MICRO HSP UPWARDS; CONTAINS OPEN-SOURCE-SW, WHICH IS PROVIDED FREE OF CHARGE. FOR DETAILS SEE ENCLOSED CD



## General information

**customer-specific configuration** Nee

## Display

**Screen diagonal** 3 in

**Size** 3 Zoll

## Resolution (pixels)

**Horizontale beeldresolutie** 160

**Verticale beeldresolutie** 48

**Resolution (WxH in pixel)** 160 x 48

## Control elements

**Control elements** Folientastatur

**Operating options** Tasten

**Function keys, programmable** 4 Funktionstasten

**Connection for mouse/keyboard/barcode reader** - / - / -

## Keyboard fonts

**Keys with LED** Ja

**user-definable label membrane keys** Nee

**Number of function keys with LEDs** 0

**Numeric/alphabetical input** Ja / Ja

hexadecimal keyboard	Ja
Multi-key operation	Ja
<b>Touch operation</b>	
Touch screen	Nein
Uitvoering van het displays / aanraakbeeldscherm	Nee
<b>Supply voltage</b>	
Type spanning / van de voedingsspanning	DC
<b>Input current</b>	
Rated current	0,1 A
I2t-waarde / maximaal	0,5 A <sup>2</sup> s
<b>Processor</b>	
Processor type	ARM
<b>Memory</b>	
Type	Flash
<b>Time of day</b>	
<b>Clock</b>	
Type	Softwareuhr, ongepuffert
Hardware clock (real-time clock)	Nee
Software clock	Ja
battery-backed	Nee
synchronizable	Nee
<b>Interfaces</b>	
Interfaces	1 x RS485 (max. 187,5 kBit/s)
Aantal interfaces / conform RS 485	1
Overdrachtsnelheid / maximaal	187,5 kbit/s
<b>Degree and class of protection</b>	
Front	IP65, NEMA 4x (im eingebauten Zustand)
NEMA	NEMA 4x
Rear	IP20
Beschermingsklasse IP	IP20
<b>Standards, approvals, certificates</b>	
Certifications	CE, GL, ABS, BV, DNV, LRS, UL, CSA, cULus, C-TICK, NEMA 4x
cULus	Ja
EAC (former Gost-R)	Nee
Geschiktheid voor het gebruik / op veiligheid gerichte functie	Nee
<b>Marine approval</b>	
Germanischer Lloyd (GL)	Ja
American Bureau of Shipping (ABS)	Ja

Bureau Veritas (BV)	Ja
Det Norske Veritas (DNV)	Ja
Lloyds Register of Shipping (LRS)	Ja
Nippon Kaiji Kyokai (Class NK)	Ja
Polski Rejestr Statkow (PRS)	Nee
<b>Use in hazardous areas</b>	
EX zone 2	Nee
EX zone 22	Nee
FM Class I Division 2	Nee
<b>Ambient conditions</b>	
Inbouwpositie	verticaal
maximum permissible angle of inclination without external ventilation	+/- 80 °
<b>Storage/transport temperature</b>	
Transport, storage	-20 °C bis +60 °C
<b>Relative humidity</b>	
Relatieve luchtvochtigheid / tijdens de werking / maximaal	90 %
<b>Operating systems</b>	
Bedrijfssysteem	LINUX
<b>Configuration</b>	
<b>Configuration software</b>	
STEP 7 Basic (TIA Portal)	Nee
STEP 7 Professional (TIA Portal)	Nee
WinCC flexible Compact	Ja
WinCC flexible Standard	Ja
WinCC flexible Advanced	Ja
WinCC Basic (TIA Portal)	Nee
WinCC Comfort (TIA Portal)	Nee
WinCC Advanced (TIA Portal)	Nee
WinCC Professional (TIA Portal)	Nee
Configuration tool	WinCC flexible Micro ab Version 2004 SP 1; HSP (separat zu beziehen)
2. Configuration kit	WinCC flexible Micro
Version	Version 2004 SP 1; HSP
Configuration tool	WinCC flexible
Type	Micro
<b>Languages</b>	
<b>Online languages</b>	
Number of online/runtime languages	5

Project languages	
Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Ja
Task planner	Ja
Help system	Ja
Number of characters per info text	320
Number of tooltips	0
Message system	
Number of alarm classes	32
Number of messages	250
Bit messages	Ja
Analog messages	Ja
Number of bit messages	250
Number of analog messages	5
Telegram message procedure Alarm S	Nee
System messages HMI	Ja
System messages PLC	Ja
System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)	Nee
Message length (in characters)	80
Number of process values per message	8
Message indicator	Ja
acoustic feedback	Nee
First/last value	Ja
Variables	
Number of variables per device	500
Number of variables per screen	20
Limit values	Ja
Multiplexing	Ja
Structures	Ja
Images	
Number of configurable images	250
Permanent window/default	Ja
Start screen configurable	Ja
Image selection by PLC	Nee
Image number in the PLC	Nee
Image objects	
Text objects	1000 Textelemente

I/O fields per image	20
Date/time fields	0
Index of screen context	Nee
Return	Ja
Graphics object	Bitmaps, Ikons, Ikon (bildschirmfüllend)
Icons	250
Icon (full screen)	25
<b>Complex image objects</b>	
Status/control	nicht möglich
dynamic objects	Balken
Number of curve diagrams per image	0
Number of bars per chart	5
Limit value lines	Ja
alphanumeric fields	0
alphanumeric fields per image	0
numerical fields	0
numerical fields per image	0
Password fields	0
Number of slides per image	0
Number of analog indicators per image	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
Button 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
<b>Attributes for dynamic objects</b>	
Color change	Nee
X/Y movement	Nee
Hide	Ja
Angle of rotation	Nee
<b>Lists</b>	
Number of text lists per project	150
Number of graphics lists per project	0

Security	
Number of user groups	1
Number of users	1
Password export/import	Ja
Transfer (upload/download)	
Transfer of configuration	seriell
Process coupling	
Connection to controller	S7-200 siehe Kapitel "Systemkopplungen"
S7-200	Ja
PPI (point-to-point)	Ja
PPI network	Ja
MPI	Ja
PROFIBUS DP	Nee
S7-300/400	Nee
MPI	Nee
PROFIBUS DP	Nee
PROFINET	Nee
S5	Nee
serial	Nee
PROFIBUS DP	Nee
TI 505	Nee
Allen Bradley (DF1)	Nee
Allen Bradley (DF485)	Nee
Mitsubishi (FX)	Nee
Mitsubishi (MP4)	Nee
Telemecanique (ADJUST)	Nee
Telemecanique (Uni-Telway)	Nee
OMRON (LINK/Multilink)	Nee
Modicon (Modbus)	Nee
GE-Fanuc (SNP)	Nee
Functions	
Key repeat	Ja
TAB sequence	Ja
Calculating functions	Ja
Animate	Nee
Menu tree editor	Nee
Unit switchover	Nee
Service tools/configuration aids	
Clean screen	Nee

<b>Touch calibration</b>	Nee
<b>Backup/Restore manually</b>	Ja
<b>Simulation</b>	Nee
<b>Device switchover</b>	Ja
<b>Delta transfer</b>	Nee
<b>Monitoring function for battery and memory</b>	Nee
<b>Trace (operation archive)</b>	Nee
<b>Expandability/openness</b>	
<b>Open Platform Program</b>	Nee
<b>I/O/Options</b>	
<b>I/O devices</b>	
<b>Multimedia Card</b>	Nee
<b>Dimensions</b>	
<b>Front of enclosure (W x H)</b>	154 mm x 84 mm
<b>Weights</b>	
<b>Nettogewicht</b>	0,25 kg
<b>Other</b>	
<b>free hotline</b>	Ja
<b>Warranty period</b>	1 a
Status	9-jul-2014