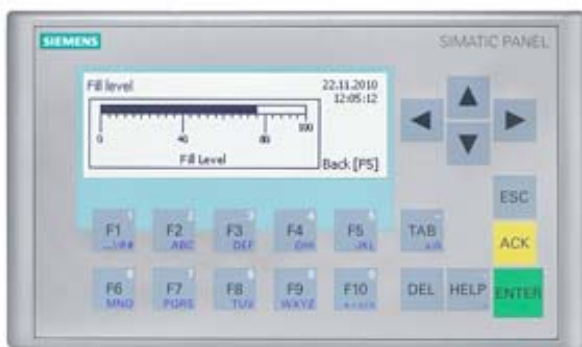


SIMATIC HMI KP300 BASIC MONO PN,  
 BASIC PANEL, KEY OPERATION,  
 3" FSTN LCD DISPLAY,  
 MONOCHROME BLACK/WHITE,  
 PROFINET INTERFACE,  
 CONFIGURATION FROM WINCC BASIC V11/ STEP7  
 BASIC V11,  
 CONTAINS OPEN SOURCE SW WHICH IS PROVIDED  
 FREE OF CHARGE FOR DETAILS SEE CD



Display	
Screen diagonal	3,6 in
Breedte / van het display	87 mm
Hoogte / van het display	31 mm
Aantal kleuren / van het display	4
Resolution (pixels)	
Horizontale beeldresolutie	240
Verticale beeldresolutie	80
Backlighting	
MTBF backlighting (at 25 °C)	50000 h
Backlight dimmable	Nee
Control elements	
Keyboard fonts	
Number of function keys	10
Keys with LED	Nee
System keys	Ja
Numeric/alphabetical input	
Numeric keyboard	Ja
alphanumeric keyboard	Ja

<b>Touch operation</b>	
Uitvoering van het displays / aanraakbeeldscherm	Nee
<b>Installation type/mounting</b>	
Mounting in portrait format possible	Nee
Mounting in landscape format possible	Ja
<b>Supply voltage</b>	
Type spanning / van de voedingsspanning	DC
Voedingsspanning / bij DC / Bemetingswaarde	24 V
Voedingsspanning / bij DC / nominale waarde / minimaal	19,2 V
Voedingsspanning / bij DC / nominale waarde / maximaal	28,8 V
<b>Input current</b>	
Current consumption (rated value)	0,1 A
I2t-waarde / maximaal	0,5 A <sup>2</sup> s
<b>Power</b>	
Power consumption, typ.	3 W
<b>Processor</b>	
Processor type	
X86	Nee
ARM	Ja
<b>Memory</b>	
Flash	Ja
RAM	Ja
Usable memory for user data	1 Mbyte
<b>Type of output</b>	
Acoustics	
Buzzer	Nee
Speaker	Nee
<b>Time of day</b>	
<b>Clock</b>	
Hardware clock (real-time clock)	Nee
Software clock	Ja
battery-backed	Nee
synchronizable	Ja
<b>Interfaces</b>	
Aantal interfaces / conform RS 485	0
Aantal interfaces / conform USB	0
Number of SD card slots	0
Number of parallel interfaces	0

Number of 20 mA interfaces (TTY)	0
Number of RS 232 interfaces	0
Number of RS 422 interfaces	0
Aantal interfaces / overige	0
With software interfaces	Nee
<b>Industrial Ethernet</b>	
Aantal interfaces / conform Industrial Ethernet	1
Industrial Ethernet status LED	2
<b>Protocols</b>	
Protocol / wordt ondersteund / PROFINET-protocol	Ja
Protocol / wordt ondersteund / PROFINET IO-protocol	Nee
IRT supported	Nee
Protocol / wordt ondersteund / PROFIBUS-protocol	Nee
MPI	Nee
<b>Protocols (Ethernet)</b>	
Protocol / wordt ondersteund / TCP/IP	Ja
DHCP	Ja
Protocol / wordt ondersteund / SNMP	Ja
DCP	Ja
Protocol / wordt ondersteund / LLDP	Ja
<b>WEB characteristics</b>	
HTTP	Nee
HTML	Nee
<b>Further protocols</b>	
CAN	Nee
MODBUS	Ja
EtherNet/IP	Ja
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostic messages</b>	
Diagnostic information readable	Nee
<b>EMC</b>	
<b>Emission of radio interference acc. to EN 55 011</b>	
Emission of radio interference acc. to EN 55 011 (limit class A)	Ja
Emission of radio interference acc. to EN 55 011 (limit class B)	Nee
<b>Degree and class of protection</b>	
Beschermingsgraad IP / aan de voorzijde	IP65
Enclosure Type 4 at the front	Ja

Enclosure Type 4x at the front	Ja
Beschermingsklasse IP	IP20
<b>Standards, approvals, certificates</b>	
Geschiktheidsbewijs / EG-conformiteitsmerkteken	Ja
KC approval	Ja
cULus	Ja
Geschiktheidsbewijs / C-Tick	Ja
<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>	
ATEX Zone 2	Nee
ATEX Zone 22	Nee
cULus Class I Zone 1	Nee
cULus Class I Zone 2, Division 2	Ja
FM Class I Division 2	Nee
<b>Ambient conditions</b>	
Inbouwpositie	verticaal
maximum permissible angle of inclination without external ventilation	35 °
<b>Operating temperature</b>	
Operation (vertical installation)	
in vertical mounting position, minimum	0 °C
in vertical mounting position, maximum	50 °C
Operation (max. tilt angle)	
at maximum tilt angle, minimum	0 °C
at maximum tilt angle, maximum	40 °C
<b>Storage/transport temperature</b>	
min.	-20 °C
max.	60 °C
<b>Relative humidity</b>	
Relatieve luchtvochtigheid / tijdens de werking / maximaal	90 %
<b>Operating systems</b>	
Windows CE	Nee

proprietary	Ja
<b>Executable with configuration operating system</b>	
other	Nee
<b>Configuration</b>	
Message indicator	Ja
With alarm logging system (incl. buffer and acknowledgment)	Ja
Process value display (output)	Ja
Process value default (input) possible	Ja
Recipe administration	Ja
<b>Configuration software</b>	
STEP 7 Basic (TIA Portal)	Ja
STEP 7 Professional (TIA Portal)	Ja
WinCC flexible Compact	Nee
WinCC flexible Standard	Nee
WinCC flexible Advanced	Nee
WinCC Basic (TIA Portal)	Ja
WinCC Comfort (TIA Portal)	Ja
WinCC Advanced (TIA Portal)	Ja
WinCC Professional (TIA Portal)	Ja
<b>Languages</b>	
<b>Online languages</b>	
Number of online/runtime languages	5
<b>Project languages</b>	
Languages per project	32
<b>Project languages</b>	
D	Ja
GB	Ja
F	Ja
I	Ja
E	Ja
Chinese traditional	Ja
Chinese simplified	Ja
DK	Ja
FIN	Ja
GR	Ja
J	Ja
KP/ROK	Ja
NL	Ja
N	Ja

PL	Ja
P	Ja
RUS	Ja
S	Ja
CZ	Ja
SK	Ja
TR	Ja
H	Ja
<b>Functionality under WinCC (TIA Portal)</b>	
<b>Libraries</b>	Ja
<b>Task planner</b>	
time-controlled	Nee
task-controlled	Ja
<b>Help system</b>	
Number of characters per info text	320
<b>Message system</b>	
Number of alarm classes	32
Number of bit messages	200
Number of analog messages	15
System messages HMI	Ja
Number of characters per message	80
Number of process values per message	8
Message indicator	Ja
Message buffer	
Number of entries	256
Circulating buffer	Ja
retentive	Ja
maintenance-free	Ja
<b>Recipe administration</b>	
Number of recipes	5
Data records per recipe	20
Entries per data record	20
Size of internal recipe memory	40 kbyte
Recipe memory expandable	Nee
<b>Variables</b>	
Number of variables per device	250
Number of variables per screen	30
Limit values	Ja
Multiplexing	Ja

<b>Structures</b>	Nee
<b>Arrays</b>	Ja
<b>Images</b>	
<b>Number of configurable images</b>	50
<b>Permanent window/default</b>	Ja
<b>Global image</b>	Ja
<b>Start screen configurable</b>	Ja
<b>Image selection by PLC</b>	Ja
<b>Image number in the PLC</b>	Ja
<b>Image objects</b>	
<b>Number of objects per image</b>	30
<b>Text fields</b>	Ja
<b>I/O fields</b>	Ja
<b>Graphic I/O fields (graphics list)</b>	Ja
<b>Symbolic I/O fields (text list)</b>	Ja
<b>Date/time fields</b>	Ja
<b>Switch</b>	Ja
<b>Buttons</b>	Ja
<b>Graphic display</b>	Ja
<b>Icons</b>	Ja
<b>Geometric objects</b>	Ja
<b>Complex image objects</b>	
<b>Number of complex objects per screen</b>	5
<b>Alarm view</b>	Ja
<b>Trend view</b>	Ja
<b>User view</b>	Ja
<b>Status/control</b>	Nee
<b>Sm@rtClient view</b>	Nee
<b>Recipe view</b>	Ja
<b>f(x) trend view</b>	Nee
<b>System diagnostics view</b>	Nee
<b>Media Player</b>	Nee
<b>Bar graphs</b>	Ja
<b>Sliders</b>	Nee
<b>Pointer instruments</b>	Nee
<b>Analog/digital clock</b>	Nee
<b>Lists</b>	
<b>Number of text lists per project</b>	150
<b>Number of entries per text list</b>	30

Number of graphics lists per project	100
Number of entries per graphics list	30
<b>Archiving</b>	
Number of archives per device	0
<b>Security</b>	
Number of user groups	50
Number of user rights	32
Number of users	50
Password export/import	Nee
SIMATIC Logon	Nee
<b>Character sets</b>	
Keyboard fonts	
US English	Ja
Fonts	
Tahoma	Ja
Arial	Nee
Courier New	Nee
WinCC flexible Standard	Ja
Ideographic languages	Ja
Font size freely scalable	Nee
Additional character sets can be loaded	Nee
<b>Transfer (upload/download)</b>	
MPI/PROFIBUS DP	Nee
USB	Nee
Ethernet	Ja
using external storage medium	Nee
<b>Process coupling</b>	
S7-1200	Ja
S7-1500	Ja
S7-200	Ja
S7-300/400	Ja
LOGO!	Ja
WinAC	Ja
SINUMERIK	Nee
SIMOTION	Nee
Allen Bradley (EtherNet/IP)	Ja
Allen Bradley (DF1)	Nee
Mitsubishi (MC TCP/IP)	Ja
Mitsubishi (FX)	Nee



<b>OMRON (FINS TCP)</b>	Nee
<b>OMRON (LINK/Multilink)</b>	Nee
<b>Modicon (Modbus TCP/IP)</b>	Ja
<b>Modicon (Modbus)</b>	Nee
<b>Service tools/configuration aids</b>	
<b>Clean screen</b>	Nee
<b>Touch calibration</b>	Nee
<b>Backup/Restore manually</b>	Ja
<b>Backup/Restore automatically</b>	Nee
<b>Simulation</b>	Ja
<b>Device switchover</b>	Ja
<b>Delta transfer</b>	Nee
<b>I/O/Options</b>	
<b>I/O devices</b>	
<b>Printer</b>	Nee
<b>Multimedia Card</b>	Nee
<b>SD card</b>	Nee
<b>USB memory</b>	Nee
<b>Mechanics/material</b>	
<b>Type of housing (front)</b>	
<b>Plastic</b>	Ja
<b>Aluminum</b>	Nee
<b>Stainless steel</b>	Nee
<b>Dimensions</b>	
<b>Width of the housing front</b>	165 mm
<b>Height of housing front</b>	97 mm
<b>Mounting cutout/device depth (W x H x D)</b>	
<b>Mounting cutout, width</b>	149 mm
<b>Mounting cutout, height</b>	82 mm
<b>Inbouwdiepte</b>	30 mm
<b>Weights</b>	
<b>Weight without packaging</b>	0,25 kg
<b>Weight incl. packaging</b>	0,38 kg
Status	7-jul-2014