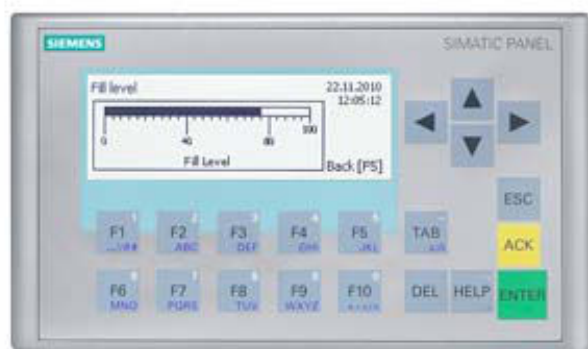


SIMATIC HMI KP300 BASIC MONO PN,  
BASIC PANEL, KEY OPERATION,  
3" FSTN LCD DISPLAY,  
MONOCHROME BLACK/WHITE,  
PROFINET INTERFACE,  
CONFIGURATION FROM WINCC BASIC V11/ STEP7  
BASIC V11,  
CONTAINS OPEN SOURCE SW WHICH IS PROVIDED  
FREE OF CHARGE FOR DETAILS SEE CD



| 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 A²·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       |

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

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