

STARTER KIT TP900 COMFORT, CONSISTING OF: TP900 COMFORT, WINCC COMFORT (TIA PORTAL), PROFINET-CABLE FOR TESTING, SIMATIC HMI MEMORY CARD 2 GB 10 PROTECTIVE MEMBRANES

| Display                                  |                        |
|------------------------------------------|------------------------|
| Design of display                        | TFT                    |
| Screen diagonal                          | 9 in                   |
| Number of colors                         | 16 777 216             |
| Resolution (pixels)                      |                        |
| • Horizontal image resolution            | 800 Pixel              |
| • Vertical image resolution              | 480 Pixel              |
| Control elements                         |                        |
| Keyboard fonts                           |                        |
| • Keys with LED                          | No                     |
| • System keys                            | No                     |
| • Numeric/alphabetical input             |                        |
| — Numeric keyboard                       | Yes; Onscreen keyboard |
| — alphanumeric keyboard                  | Yes; Onscreen keyboard |
| Touch operation                          |                        |
| • Design as touch screen                 | Yes                    |
| Supply voltage                           |                        |
| permissible range, lower limit (DC)      | 19.2 V                 |
| permissible range, upper limit (DC)      | 28.8 V                 |
| Memory                                   |                        |
| Memory available for user data           | 12 Mbyte               |
| Interfaces                               |                        |
| Number of industrial Ethernet interfaces | 2                      |
| Number of RS 485 interfaces              | 1; RS 422/485 combined |
| Number of USB interfaces                 | 2; USB 2.0             |
| Number of RS 232 interfaces              | 0                      |
| Number of RS 422 interfaces              | 1                      |
| Number of other interfaces               | 0                      |
| With software interfaces                 | No                     |
| Protocols                                |                        |
| Supports protocol for PROFINET IO        | Yes                    |
| PROFIBUS                                 | Yes                    |

|                                                |            |
|------------------------------------------------|------------|
| Protocols (Ethernet)                           |            |
| • TCP/IP                                       | Yes        |
| Further protocols                              |            |
| • EtherNet/IP                                  | Yes        |
| • MODBUS                                       | Yes        |
| Degree and class of protection                 |            |
| IP (at the front)                              | IP65       |
| Configuration                                  |            |
| Message indicator                              | Yes        |
| Alarm system (incl. buffer and acknowledgment) | Yes        |
| Process value display (output)                 | Yes        |
| Process value default (input) possible         | Yes        |
| Recipe management                              | Yes        |
| Languages                                      |            |
| Online languages                               |            |
| • Number of online/runtime languages           | 32         |
| Functionality under WinCC (TIA Portal)         |            |
| Security                                       |            |
| • Number of user groups                        | 50         |
| Peripherals/Options                            |            |
| Peripherals                                    |            |
| • Printer                                      | Yes        |
| Dimensions                                     |            |
| Width of the housing front                     | 274 mm     |
| Height of housing front                        | 190 mm     |
| Overall depth                                  | 63 mm      |
| last modified:                                 | 10/08/2016 |