



| Display | |
|--------------------------------|----------|
| Screen diagonal | 5.7 in |
| Resolution (pixels) | |
| • Horizontal image resolution | 320 |
| • Vertical image resolution | 240 |
| Backlighting | |
| • MTBF backlighting (at 25 °C) | 50 000 h |
| Control elements | |
| Keyboard | |
| • Keys with LED | No |
| • System keys | No |
| • Numeric/alphabetical input | |
| — hexadecimal keyboard | Yes |
| — Multi-key operation | No |
| Touch operation | |
| • Design as touch screen | Yes |

| Input current | |
|-------------------------------------|----------------------|
| Rated current | 0.24 A |
| Inrush current A ² s | 0.5 A ² s |
| Power | |
| Power | 6 W |
| Memory | |
| Usable memory for user data | 512 kbyte |
| Type of output | |
| Info LED | No |
| Power LED | No |
| Error LED | No |
| Time of day | |
| Clock | |
| • Hardware clock (real-time clock) | No |
| • Software clock | Yes |
| • Battery-backed | No |
| • Synchronizable | No |
| Interfaces | |
| Number of RS 485 interfaces | 1 |
| • Transmission rate, max. | 1.5 Mbit/s |
| Standards, approvals, certificates | |
| cULus | Yes |
| EAC (formerly Gost-R) | No |
| Suitable for safety functions | No |
| Marine approval | |
| • Germanischer Lloyd (GL) | Yes |
| • American Bureau of Shipping (ABS) | Yes |
| • Bureau Veritas (BV) | Yes |
| • Det Norske Veritas (DNV) | Yes |
| • Lloyds Register of Shipping (LRS) | Yes |
| • Nippon Kaiji Kyokai (Class NK) | Yes |
| • Polski Rejestr Statkow (PRS) | No |
| Use in hazardous areas | |
| • EX zone 2 | Yes |
| • EX zone 22 | Yes |
| • FM Class I Division 2 | Yes |

Ambient conditions

Relative humidity

- Operation, max. 90 %

Configuration

Message indicator Yes

With alarm logging system (incl. buffer and acknowledgment) Yes

Configuration software

- STEP 7 Basic (TIA Portal) No
- STEP 7 Professional (TIA Portal) No
- WinCC flexible Compact Yes
- WinCC flexible Standard Yes
- WinCC flexible Advanced Yes
- WinCC Basic (TIA Portal) No
- WinCC Comfort (TIA Portal) Yes
- WinCC Advanced (TIA Portal) Yes
- WinCC Professional (TIA Portal) Yes

Languages

Online languages

- Number of online/runtime languages 5

Languages

- Languages per project 32

Functionality under WinCC (TIA Portal)

Libraries Yes

Number of Visual Basic Scripts

- Debugging in the simulator No

Task planner Yes

Help system

- Number of characters per info text 70
- Number of tooltips 0

Message system

- Number of alarm classes 32
- Number of messages 1 000
- Bit messages Yes
- Analog messages Yes
- Number of bit messages 1 000

| | |
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| • Number of analog messages | 20 |
| • Telegram message procedure Alarm S | No |
| • System messages HMI | Yes |
| • System messages PLC | Yes |
| • System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.) | No |
| • Lines | 1 |
| • Number of process values per message | 8 |
| • Message indicator | Yes |
| • Acoustic feedback | No |
| • First/last value | Yes |
| Recipe administration | |
| • Number of recipes | 5 |
| • Data records per recipe | 20 |
| • Entries per data record | 20 |
| Variables | |
| • Number of variables per device | 500 |
| • Number of variables per screen | 30 |
| • Limit values | Yes |
| • Multiplexing | Yes |
| • Structs | No |
| Images | |
| • Number of configurable images | 250 |
| • Permanent window/default | Yes |
| • Start screen configurable | Yes |
| • Image selection by PLC | Yes |
| • Image number in the PLC | Yes |
| Image objects | |
| • Fields per image | 30 |
| • Index of screen context | No |
| • Return | No |
| • Graphics object | |
| — Icons | 1 |
| — Icon (full screen) | 1 |
| Complex image objects | |
| • Number of bars per chart | 5 |
| • Limit value lines | Yes |
| Attributes for dynamic objects | |

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| • Color change | No |
| • X/Y movement | No |
| • Hide | Yes |
| • Angle of turn | No |
| Lists | |
| • Number of text lists per project | 300 |
| • Number of graphics lists per project | 100 |
| Security | |
| • Number of user groups | 50 |
| • Number of user rights | 32 |
| • Password export/import | Yes |
| Data carrier support | |
| • PC card | No |
| • CF card | No |
| Process coupling | |
| • S7-200 | Yes |
| — PPI (point-to-point) | Yes |
| — PPI network | Yes |
| — MPI | Yes |
| — PROFIBUS DP | Yes |
| — Ethernet | No |
| • S7-300/400 | Yes |
| — MPI | Yes |
| — PROFIBUS DP | Yes |
| — 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 |

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| • 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 | Yes |
| • Simulation | Yes |
| • Device switchover | Yes |
| • Delta transfer | No |
| • Monitoring function for battery and memory | No |
| • Trace (operation archive) | No |
| Expandability/openness | |
| • Open Platform Program | No |
| I/O / Options | |
| I/O devices | |
| • MultiMediaCard | No |
| Dimensions | |
| Width of the housing front | 212 mm |
| Height of housing front | 156 mm |
| Weights | |
| Weight (without packaging) | 0.75 kg |
| other | |
| free hotline | Yes |
| Warranty period | 1 y |
| last modified: | 16.09.2014 |