

Technical Data DE-VX 4100

DE-VX 4110F



DE-VX 4115F



System computer unit:

- Industrial computer system with high-capacity processor
- Integrated PLC, S5 and S7 compatible instruction set, max. program length: 60.000 instructions with time requirement for 1000 bit instructions at < 0,2 ms
Up to 256 timer, 1024 messages, 1024 alarms (optional on delay)

Memory:

- 512 MB RAM operating store
- 4 GB flash for operating program and configuration storage
- 2 MB RAM (battery-buffered for current process status store, treatment programs and measurement recording)

Interfaces/Connections:

- COM1 DIN-RS232
- COM2 DIN-RS232
- COM3 DIN-RS232/RS422/RS485 (electrically isolated)
- COM4 DIN-RS232
- Protocols e.g. RK 512, Modbus, 3964R
- parallel (Centronics) for the connection of a printer
- USB interface for external PC keyboard or printer
- Standard-VGA interface
- Power supply unit: switches automatically from 110V AC up to 230V AC, 50-63 Hz
- Can-Bus for the connection of external modules
- Profibus-DP-Slave (optional) (EN 50 170/DIN 19245 part 1) 9,6Kbit/s – 12Mbit/s, automatic bit rate recognition, EIA RS 485 cabling, DSUB-9-plug connector electrically isolated. Max. 244 bytes respectively input and output data
- Profibus-DP-Master (optional) (EN 50 170/DIN 19245 part 1) for the connection of up to 125 Slaves, 9,6Kbit/s – 12Mbit/s, automatic bit rate recognition, EIA RS 485 cabling, DSUB-9-plug connector, electrically isolated. Max. 512 bytes respectively input and output data. Configuration via external PC software (separate order necessary)
- Ethernet interface, TCP/IP protocol for configuration, remote control, supervisory system connection, Modbus/TCP

Display (alternative):

- 10,4" TFT LC color display with extra wide viewing angle, resolution 1024 x 768 pixels
- 15" TFT LC color display extra wide viewing angle, resolution 1024 x 768 pixels
- Standard VGA interface for additional monitor

Operation:

- Membrane keyboard (according to DIN EN 60529, IP protection 65)
- Externally connectable USB mouse
- Externally connectable USB keyboard

Security:

- Dual security functions by global and local watchdog functions
- Power failure monitoring

Installation:

- Ambient temperature 0...+45°C
- Relative humidity 0...90% non-condensing at +40°C and below 3000m
- Storing temperature -20...+60°C
- Overvoltage category III (according to DIN EN 60664-1)
- Soiling stage 2 (according to DIN EN 60664-1)

Inputs/Outputs (max. expansion indicated):

	Internal:	incl. CAN Bus:
• Analog inputs:	128	128
• Analog outputs:	64	96
• Digital inputs:	256	512
• Digital outputs:	256	512

Programmer/Controller (max. expansion indicated):

- Set points: 192
- Control tracks: 512
- Control loops: 1.024
- Limit values: 1.024
- Alarms: 1.024 (on delay) with alarm history
- Installations: 8 independent installations configurable
- Recorder: 64 process variables recordable
- Multiple language switch at runtime
- Unicode-language support
- Copy and Know-how protection

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Installation depth: 350mm, max. wall thickness 6mm
Cut-out dimensions: 400mm x 235mm x 4mm (WxHxD)
Rack-housing dimensions: 382mm x 217mm x 350mm (WxHxD)

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Installation depth: 350mm, max. max. wall thickness 6mm
Cut-out dimensions: 500mm x 315mm (WxHxD)
Rack-housing dimensions: 550mm x 335mm x 4mm (WxHxD)

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Subject to change!