

\*\*\* SPARE PART\*\*\* OPERATOR PANEL OP27 STN  
MONOCHROME LC DISPLAY

Display	
Design of display	STN, 8 gray scales
graphics-enabled	Yes
Screen diagonal	5.7 in
Color type	Grayscale
Resolution (pixels)	
• Horizontal image resolution	240 Pixel
• Vertical image resolution	320 Pixel
• Resolution (WxH in pixel)	240 x 320
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Control elements	Keys
Keyboard fonts	
• Membrane keyboard	Yes
— user-definable label membrane keys	Yes
• Function keys	24 function keys, 18 with LEDs
• Numeric/alphabetical input	Yes / Yes
— hexadecimal keyboard	Yes
• Multi-key operation	No
Touch operation	
• Design as touch screen	No
Connection type	
• Connection for mouse/keyboard/barcode reader	- / - / -
Installation type/mounting	
Mounting position	vertical
maximum permissible angle of inclination without external ventilation	35°
Supply voltage	
Type of supply voltage	18 V DC
UPS connectable (serial)	No
Input current	
Current consumption (rated value)	0.3 A

Power	
Power consumption, typ.	8 W
Processor	
Processor type	X86, 33 MHz
Drives	
Diskette drive	No
CD-ROM	No
Hard disk	No
Memory	
Type of memory	Flash / RAM
nutzbarer Speicher für Anwenderdaten	1 024 kbyte
Battery	
Backup battery	
<ul style="list-style-type: none"> <li>• Backup battery</li> <li>• Backup time, min.</li> </ul>	<ul style="list-style-type: none"> <li>optional 3.6 V</li> <li>4 y</li> </ul>
Type of output	
Info LED	Yes
Power LED	No
Time of day	
Clock	
<ul style="list-style-type: none"> <li>• Type</li> <li>• Hardware clock (real-time clock)</li> <li>• Software clock</li> <li>• retentive</li> <li>• synchronizable</li> </ul>	<ul style="list-style-type: none"> <li>Hardware clock, battery backup, synchronizable</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>Yes</li> </ul>
Interfaces	
Interfaces/bus type	1 x TTY, 2 x RS232, 1 x RS422, 1 x RS485 (max. 12 Mbit/s)
Number of RS 485 interfaces	1
<ul style="list-style-type: none"> <li>• Transmission rate, max.</li> </ul>	12 Mbit/s
USB port	No
PC card slot	1 x PC card slot
CF card slot	No
Special interfaces	No
Industrial Ethernet	
<ul style="list-style-type: none"> <li>• Industrial Ethernet interface</li> </ul>	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	

Certifications	PRS, FM Class I Div. 2, UL, EX Zone 22
cULus	No
RCM (formerly C-TICK)	No

### Ambient conditions

Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	95 %

### Operating systems

Operating system	Rmos
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### Configuration

Configuration software	
• Configuration tool	ProTool Version 3.1 or higher (to be ordered separately)
• 1. Configuration kit	ProTool
— Version	Version 3.1
— Configuration tool	ProTool

### Dimensions

Width of the housing front	296 mm
Height of housing front	192 mm
Overall depth	59 mm
Installation depth with direct key module	94 mm
Installation depth with Control Panel Interface	94 mm

### Weights

Weight (without packaging)	1.85 kg
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### Other

free hotline	Yes
Warranty period	1 y

**last modified:** 13.08.2015