



Automatización Eléctrica
Especialistas en Automatización

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HMI and industrial PCs

HMI for maritime applications

Touch panels

Notes:

1) EMC: Class A product, see page 553

HMI devices for maritime applications are the reliable and robust solution for demanding applications on ships. The devices are specifically tested and approved for ship-building.

Your advantages:

- Tested quality - certified according to GL, LR, BV, DNV, and ABS
- Flexible communication, even with third-party systems, thanks to numerous drivers
- Save costs and increase service life, thanks to LED backlighting that can be adjusted directly via buttons
- Increase system availability, thanks to temperature and voltage monitoring
- Save costs for acoustic signaling devices: integrated buzzer
- Global use: additional fonts are easy to install
- Cost-effective solution, since there are no additional costs for SCADA runtime: unlimited runtime license for VISU+ RT and AX OPC SERVER included



17.8 cm (7") TFT color display



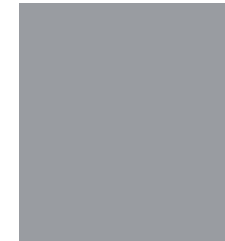
Technical data			
Display data			
Display	17.8 cm/7" TFT active		
Monitor resolution	800 x 480 Pixel (WVGA)		
Display lighting type	CCFL		
Brightness	400 cd/m ² , typical (adjustable)		
Display backlight MTBF	50000 h		
Color spectrum	65,536 colors		
Touch screen	Resistive industrial touch screen		
Computer data			
Operating systems	Windows CE 5.0		
Processor	RISC ARM9™ CPU ; 200 MHz		
Main memory	64 Mbyte SDRAM		
Data memory	32 Mbyte flash memory		
Interfaces	2x USB Host 2.0		
External dimensions			
Width	203 mm		
Height	165 mm		
Depth	5 mm		
Installation dimensions			
Width	195 mm		
Height	157 mm		
Installation depth	56 mm		
General data			
Degree of protection	IP65 (front), IP20 (back)		
Ambient temperature (operation)	0 °C ... 50 °C		
Mounting type	Installation in front plate		
Vibration (operation)	DIN EN 60068-2-6		
Shock	DIN EN 60068-2-27		
Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Touch panel with graphic-capable display - 7" TFT display - 10.4" TFT display - 12.1" TFT display - 15.1" TFT display	TP 07T/M 201 ¹⁾	2913234	1
Accessories			
Stylus for touch screens	TOUCH PEN	2701379	1
USB flash memory	2 GB USB STICK	2701382	1
CMOS battery	HMI BATTERY	2701383	1
Mounting kit, including hardware for installation	HMI SCB MOUNTING KIT 6	2701385	1
- Panel installation			
Protective foil for touch screen	7" DISPLAY PROTECTIVE FOIL	2701374	1



26.4 cm (10.4") TFT color display



Technical data			
Display data			
Display	26.4 cm/10.4" TFT active		
Monitor resolution	640 x 480 Pixel (VGA)		
Display lighting type	LED		
Brightness	350 cd/m ² , typical (adjustable)		
Display backlight MTBF	50000 h		
Color spectrum	65,536 colors		
Touch screen	Resistive industrial touch screen		
Computer data			
Operating systems	Windows CE 5.0		
Processor	Xscale® PXA320, 806 MHz		
Main memory	64 Mbyte SDRAM		
Data memory	1 GB flash memory		
Interfaces	2x USB Host 1.1, 1x Compact Flash®		
External dimensions			
Width	328 mm		
Height	265 mm		
Depth	5 mm		
Installation dimensions			
Width	303 mm		
Height	238 mm		
Installation depth	57 mm		
General data			
Degree of protection	IP65 (front), IP20 (back)		
Ambient temperature (operation)	0 °C ... 50 °C		
Mounting type	Installation in front plate		
Vibration (operation)	DIN EN 60068-2-6		
Shock	DIN EN 60068-2-27		
Ordering data			
Type	Order No.	Pcs. / Pkt.	
TP 10T/M 201 ¹⁾	2913247	1	
Accessories			
TOUCH PEN	2701379	1	
2 GB USB STICK	2701382	1	
HMI BATTERY	2701383	1	
HMI SCB MOUNTING KIT 8	2701387	1	
10.4" DISPLAY PROTECTIVE FOIL	2701376	1	



30.7 cm (12.1") TFT color display



Technical data			
Display data			
Display	30.7 cm/12.1" TFT active		
Monitor resolution	800 x 600 Pixel (SVGA)		
Display lighting type	LED		
Brightness	300 cd/m ² , typical (adjustable)		
Display backlight MTBF	50000 h		
Color spectrum	65,536 colors		
Touch screen	Resistive industrial touch screen		
Computer data			
Operating systems	Windows CE 5.0		
Processor	Xscale® PXA320, 806 MHz		
Main memory	64 Mbyte SDRAM		
Data memory	1 GB flash memory		
Interfaces	2x USB Host 1.1, 1x Compact Flash®		
External dimensions			
Width	340 mm		
Height	285 mm		
Depth	5 mm		
Installation dimensions			
Width	315 mm		
Height	259 mm		
Installation depth	62 mm		
General data			
Degree of protection	IP65 (front), IP20 (back)		
Ambient temperature (operation)	0 °C ... 50 °C		
Mounting type	Installation in front plate		
Vibration (operation)	DIN EN 60068-2-6		
Shock	DIN EN 60068-2-27		
Ordering data			
Type	Order No.	Pcs. / Pkt.	
TP 12T/M 201 ¹⁾	2913250	1	
Accessories			
TOUCH PEN	2701379	1	
2 GB USB STICK	2701382	1	
HMI BATTERY	2701383	1	
HMI SCB MOUNTING KIT 8	2701387	1	
12.1" DISPLAY PROTECTIVE FOIL	2701377	1	



38.1 cm (15") color TFT display



Technical data			
Display data			
Display	38.1 cm/15" TFT active		
Monitor resolution	1024 x 768 Pixel (XGA)		
Display lighting type	LED		
Brightness	480 cd/m ²		
Display backlight MTBF	50000 h		
Color spectrum	256 colors		
Touch screen	Resistive industrial touch screen		
Computer data			
Operating systems	Windows CE 5.0		
Processor	Xscale® PXA320, 806 MHz		
Main memory	64 Mbyte SDRAM		
Data memory	1 GB flash memory		
Interfaces	2x USB Host 1.1, 1x Compact Flash®		
External dimensions			
Width	400 mm		
Height	338 mm		
Depth	5 mm		
Installation dimensions			
Width	373 mm		
Height	312 mm		
Installation depth	62 mm		
General data			
Degree of protection	IP65 (front), IP20 (back)		
Ambient temperature (operation)	0 °C ... 50 °C		
Mounting type	Installation in front plate		
Vibration (operation)	DIN EN 60068-2-6		
Shock	DIN EN 60068-2-27		
Ordering data			
Type	Order No.	Pcs. / Pkt.	
TP 15T/M 201 ¹⁾	2913263	1	
Accessories			
TOUCH PEN	2701379	1	
2 GB USB STICK	2701382	1	
HMI BATTERY	2701383	1	
HMI SCB MOUNTING KIT 8	2701387	1	
15.1" DISPLAY PROTECTIVE FOIL	2701378	1	

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- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

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Product	Code	Reference	Product link
Touch panel with 17.8 cm (7) graphics-capable TFT display, 65,535 colors, 800 x 480 pixels, 1 x Ethernet, 2 x USB, and integrated runtime of the Visu+ visualization software.	2913234	TP 07T/M 201	Buy on EAN
Touch panel with 26.4 cm (10.4) graphics-capable TFT display, 65,535 colors, 800 x 600 pixels, 1 x Ethernet, 2 x USB, and integrated runtime of the Visu+ visualization software.	2913247	TP 10T/M 201	Buy on EAN
Touch panel with 30.7 cm (12.1) graphics-capable TFT display, 65,535 colors, 800 x 600 pixels, 1 x Ethernet, 2 x USB, and integrated runtime of the Visu+ visualization software.	2913250	TP 12T/M 201	Buy on EAN
Touch panel with 38.1 cm (15) graphics-capable TFT display, 256 colors, 1024 x 768 pixels, 1 x Ethernet, 2 x USB, and integrated runtime of the Visu+ visualization software.	2913263	TP 15T/M 201	Buy on EAN