

Touch Operating Panel HZS 732



The HZS 732 is an intelligent terminal for programming and visualization of automated processes. Process diagnostics as well as operating and monitoring automated procedures are simplified using this terminal. A projective capacitive touch screen serves as the input medium for process data and parameters. The output is shown on a 7" WVGA TFT color display. With the LSE mask editor, graphics can be created on the PC, then stored and displayed on the terminal. The available interfaces can be used to exchange process data or configure the build-in terminal. In the internal Flash memory, the operating system, application and application data are stored.

Performance Data

Processor	EDGE2 Technology
Processor core	1
Internal cache	32-kbyte L1 Instruction Cache 32-kbyte L1 Data Cache 512-kbyte L2 Cache
Internal program and data memory (DDR3 RAM)	256-Mbyte
Internal remnant data memory	256-kbyte SRAM (battery buffered)
Internal storage device	512-Mbyte NAND Flash
Internal I/O	no
Interfaces	1x USB 2.0 (Type A) 1x Ethernet 10/100 2x CAN bus 1x RS232
Internal interface connections and devices	1x TFT LCD color display 1x touch

Display Resolution	7" TFT color display 800 x 480 pixels	
Control panel	touch screen (projective capacitive)	
Signal generator	no	
Status LEDs	no	
Real-time clock	yes	
Cooling	passive (fanless)	

Electrical Requirements

Supply voltage	typically +24 V DC	
	minimum +18 V DC	maximum +30 V DC
Current consumption of power supply at +24 V	typically 180 mA (without externally connected devices)	maximum 290 mA (with external devices connected)
Current consumption of standby voltage at +24 V	typically 110 mA (without externally connected devices)	maximum 180 mA (with external devices connected)
Inrush current	600 mA (1 ms)	

Terminal

Dimensions	183.6 x 138.8 x 41.9 mm (W x H x D)
Material	front plate: 4 mm aluminum
Weight	circa 600 g

Environmental Conditions

Storage temperature	-10 ... +80 °C	
Environmental temperature	0 ... +60 °C	
Humidity	10-90 %, non-condensing	
EMC stability	in accordance with product standard EN60730-1	
Vibration resistance	EN60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s ²)
Shock resistance	EN60068-2-27	15 g (150 m/s ²) duration 11 ms, 18 shocks
Protection type	EN60529 protection through housing	front: IP54 cover: IP20

Display 7" VGA incl. Touch

Type	7" TFT LCD color display
Resolution	WVGA 800 x 480 pixels
Color depth	16 Bit RGB (65K colors)
LCD mode	normal white 1
LCD Polarizer	transmissive 2
Pixel size	0.1926 x 0.1790 mm
Number of pixels	800*3 (RGB) x 480
Active surface	154.08 x 85.92 mm
Backlighting	LED
Contrast	500:1
Brightness	typically 280 cd/m²
Visible field	left and right 70°, below 70°, above 50°

Touch panel	projective capacitive touch
Sensor type	glas-glas
Surface	1.0 mm hardened glass front with black frame
Surface hardness	7H pencil hardness according to JIS K5400
Transparency	≥ 85 %

Article Number and Miscellaneous

Article number	05-895-732-H
Hardwareversion	1.x
Article number in-wall housing	05-895-555-SZ1

Notes