

Touch Operating Panel ETT 732



with 7" WVGA TFT color display

The ETT 732 is an intelligent terminal for programming and visualization of automated processes. A resistive touch screen serves as the input medium for process data and parameters. The output is shown on a 7" WVGA TFT color display with an LED backlight. 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

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|---|---|
| Processor | EDGE2 Technology |
| Processor cores | 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 (RJ45) 2x CAN bus (6-pin Weidmüller) 1x RS232 (9-pin D-Sub) |
| Internal interface connections and devices | 1x TFT LCD color display 1x touch |
| Display Resolution | 7" TFT color display 800 x 480 pixels |

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| Control panel | touch screen (projective capacitive) |
| Signal generator | no |
| Status LEDs | no |
| Real-time clock | yes |
| Cooling | passive (fanless) |

Electrical Requirements

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|--|---|---|
| Supply voltage | typically +24 V DC (+18-30 V DC) | |
| Current consumption of power supply at +24 V | typically 200 mA (without externally connected devices) | maximum 340 mA (with externally connected devices) |
| Current consumption of stand-by voltage at +24 V | typically 110 mA (without externally connected devices) | maximum 180 mA (with externally connected devices) |
| Inrush current | 600 mA (1 ms) | |
| UL standard | for UL: must be supplied with SELV / PELV and Limited Energy Digital output also is SELV / Limited Energy. | |

Terminal

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| 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

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| Storage temperature | -10 ... +80 °C | |
| Environmental temperature | 0 ... +60 °C | |
| Humidity | 10-90 %, non-condensing | |
| EMC stability | in accordance with product standard EN 60730-1 | |
| Vibration resistance | EN 60068-2-6 | 2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s ²) |
| Shock resistance | EN 60068-2-27 | 15 g (150 m/s ²) duration 11 ms, 18 Shocks |
| Protection type | EN 60529 protection through housing | front: IP54 (no UL-rating) cover: IP20 (no UL-rating) |

7" VGA Display incl. Touch

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| Type | 7" TFT LCD color display |
| Resolution | WVGA 800 x 480 pixels |
| Color depth | 16-bit RGB (65K colors) |
| LCD mode | normal white |
| LCD polarizer | transmissive |
| Pixel size | 0.1926 mm x 0.1790 mm |
| Number of pixels | 800*3 (RGB) x 480 |
| Active surface | 154.08 mm 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 | glass-glass |
| 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

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|----------------|----------------|
| Article number | 01-230-732 |
| Standard | UL 61010-2-201 |
| Approbations | UL, cUL, CE |

Notes

