

# Build-in Touch Terminal TAE 1044



The multi-touch operating panel TAE 1044 is used to visualize automated processes. The operation and monitoring of automated procedures are simplified using this display unit.

The projective capacitive touch screen is used to enter process data and parameters. The output is shown on a 10.1" TFT color display with LED backlighting. This module operates with SIGMATEK HMI-LINK generation 2.1 (G2.1). This allows a transmission from the display, as well as USB signals using standard cables (CAT-5e or CAT-6) from a remote PC to a terminal (up to 100 m). With the 2 integrated USB connection, external end devices (mouse, keyboard ...) or memory (USB stick) can be connection on the HMI side.

## Performance Data

Interfaces	1x HMI Remote IN (HMI-Link G2.1) 2x USB 2.0 Type A OUT 1x Panel Interface Connector (for connecting a SIGMATEK TP)
Internal interfaces (via Panel Interface Connector)	USB 2.0 (for touch and front USB, if available on the TP)
Status LEDs	1x green 1x red (depends on OS)
Display Resolution	10.1" TFT color display WXGA 1280 x 800 pixels
Operating field	touch screen (projective capacitive)
Cooling	passive (fanless)

## Electrical Requirements

Supply voltage	+24 V DC ±20 % (SELV/PELV) UL: Class 2 or LVLC	
Current consumption of (+24 V) power supply	typically 700 mA (with no external devices connected)	maximum 900 mA (with external devices connected)
Inrush current with 24 V/10 A fixed voltage supply	maximum 3 A (for 14 ms, load-dependent)	
Inrush current without current-limiting supply	maximum 71 A (for 1.5 ms, load-dependent)	

## Terminal

Dimensions	264 x 183 x 48 mm (W x H x D)
Material	front plate: 1.1 mm glass (touch screen) in black anodized aluminum frame
Weight	1.5 kg

## Environmental Conditions

Storage temperature	-25 ... +85 °C	
Environmental temperature	0 ... +50 °C	
Humidity	10-95 %, non-condensing	
Installation altitude above sea level	0-2000 m without derating  > 2000 m up to a maximum of 5000 m with derating of the maximum environmental temperature by 0.5 °C per 100 m	
Operating conditions	pollution degree 2	
EMC resistance	in accordance with EN 61000-6-2 (industrial area) in accordance with EN 61000-6-1 (living area)	
EMC noise emission	in accordance with EN 61000-6-4 (industrial area) in accordance with EN 61000-6-3 (living area)	
Vibration resistance	EN 60068-2-6	5-200 Hz: amplitude 3.5 mm transition frequency: 8.42454 Hz acceleration: 1 g duration: 10 cycles cycle: 1 octave/minute
Shock resistance	EN 60068-2-27	15 g (147.15 m/s <sup>2</sup> )
Protection type	EN 60529 protection through housing	front: IP65 cover: IP20 (not UL-listed)

## Display

Type	10.1" IPS color display
Resolution	WXGA 1280 x 800 pixels
Color depth	18-bit RGB
LCD mode	normally black
LCD Polarizer	transmissive
Pixel size	0.1695 x 0.1695 mm
Active range	216.96 x 135.60 mm
Backlighting	LED
Contrast ratio	typically 1000:1
Brightness	typically 500 cd/m <sup>2</sup>
Angle CR ≥ 10	all directions typically 85°
Life span	By compliance with the ambient conditions, the brightness of the display sinks after 50,000 operating hours to 50 % of the original brightness.

## Article Number and Miscellaneous

Article number	12-200-1044
Operating system	-
Standard	UL in preparation
Approvals	CE

## Notes

