

Touch Display Panel TAE 1921



The TAE 1921 touch display unit is used to visualize automated processes. The operation and monitoring of automated procedures are simplified using this display unit.

A touch screen serves as the input medium for process data and parameters. The output is shown on a 19" SXGA TFT color display with LED backlighting.

A signal extender is required on the PC, which processes the display and USB signals, and sends them to the terminal over a standard Ethernet cable. Therewith, a connection over distance of 100 m between the PC and terminal is possible.

Performance Data

Interfaces	1x Display IN (HMI-Link) 2x USB2.0 Type A (front + back side) 1x chip card reader (optional)
Internal interface connections and devices	1x TFT color display 1x Touch
Control panel	Touch-Screen (resistive)
Display	19" TFT color display SXGA, 1280 x 1024 pixels LED backlight
LEDs	Status display

Electrical Requirements

Supply voltage	minimum +18 V DC	maximum +30 V DC
Supply voltage (UL)	+18-30 V DC Class 2	
Current consumption/supply voltage	1.7 A at 24 V	
Inrush current	maximum 43 A	

Terminal

Dimensions	360 x 462 x 57 mm (W x H x D)	
Weight incl. mounting bracket	typically 7 kg	

Display

Type	19" TFT color display	
Resolution	SXGA, 1280 x 1024 pixels	
Backlighting	LED backlight	
Lifespan	after 50.000 hours at 25 °C ambient temperature, the brightness is reduced by 50 % of the original power	

Control Unit

Touch panel	analog resistive glass touch panel	
Active surface	376.3 mm x 301.1 mm	

Article Number and Miscellaneous

Article number	12-200-1921	
Standard	UL (E247993)	
Approvals	CE, cUL _{US}	

Environmental Conditions

Storage temperature	-20 ... +60 °C	
Environmental temperature	0 ... +50 °C	
Humidity	10-90 %, non-condensing	
EMC tolerance	EN 61000-6-2 (industrial area): EMC resistance EN 61000-6-4 noise emission	
Vibration tolerance	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: protected through the housing	Front: IP54 Cover: IP20