

# Touch Display Panel TAE 1941



The TAE 1941 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.

On the PC side, a SIGMATEK HMI-Link G2 is required, which processes the display and USB signal feeds and transmits them to the terminal over a standard Ethernet cable (CAT-5e or CAT-6). A secure connection over distance of up to 100 m between the PC and terminal is therewith possible.

## Performance Data

Interfaces	1x HMI Remote IN (HMI-Link G2) 2x USB2.0 Type A
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 (HMI-Link G2)

## Electrical Requirements

Supply voltage	typically +24 V DC (+18-30 V DC)	
Current consumption of power supply at +24 V	typically 1.45 A	maximum 2 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
Color depth	24 Bit (16 777 216 colors)
Pixel size	0.294 x 0.294 mm
Active surface	376.3 x 301.1 mm
Backlighting	LED
Contrast	typically 2000 : 1
Brightness	typically 300 cd/m <sup>2</sup>
Angle CR > 10 from	left and right 89°, above and below 89°
Life span	after 50,000 hours at an ambient temperature of 25 °C, the brightness reduces to 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	12-200-1941
Hardware version	1.x

## 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 <sup>2</sup> )
Shock resistance	EN 60068-2-27	15 g (150 m/s <sup>2</sup> ), duration 11 ms, 18 shocks
Protection type	EN 60529: protected through the housing	Front: IP54 Cover: IP20